PagePro® 1250E User's Guide

1800690-001A

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1 Introduction

1.1 Welcome

Thank you for purchasing a PagePro 1250E.

So you can use your new laser printer effectively and achieve the best possible results, this manual provides you with information on the following topics:

- Installing the printer driver
- Working with the printer drivers and tools
- Working with the printer
- Caring for and maintaining the printer
- Troubleshooting

Read this manual carefully before operating your printer for the first time, and always keep the manual within easy reach.

1.2 Roadmap of this manual

The following table is designed to help you find the information you need. Alternatively, to find information on a specific problem quickly and precisely, refer to the index at the end of this manual.

No.	Title of chapter	Contents of chapter
1	Introduction	Overview of this manual.
2	Setting up the printer	Information on how to set up the printer as well as an introduction to its features.
3	Installing a printer driver	A step-by-step explanation of the procedure for installing a printer driver.
4	Working with the Windows PCL printer drivers	Overview of the Windows PCL printer drivers.
5	Working with the Windows PostScript printer drivers	Overview of the Windows PostScript printer drivers.
6	Working with the Windows printer tools	Details of how to use the Status Monitor and Printer Control Panel.
7	Working with the Macintosh printer drivers	Details of how to use the Macintosh printer driver to control the printer.
8	Working with the printer	General information on how to use your printer, including supported media sizes and types, loading media, monitoring print jobs, and canceling print jobs.
9	Installing printer options	Detailed instructions on installing printer options: lower feeder unit, face-up tray, and SDRAM-DIMMs (Dual In-line Memory Modules).
10	Maintaining the printer	Information on how to replace consumables and clean the printer.
11	Troubleshooting	Information on identifying and solving printer problems.
12	Specifications	Technical specifications, safety information, and regulatory information.
	Index	Index of the contents of this manual.

Brief explanation of special type styles and method of presentation

Special type styles and methods of presentation are used in this manual to highlight various circumstances. The following examples will help you recognize and deal with the most important of these.

CAUTION OR WARNING

This is a caution or warning!
A caution alerts you to damage that could result to the printer by treating it improperly while a warning alerts you to the potential for bodily harm.

➜ The arrow refers you to safety measures that must be taken to prevent the hazard.

[MENU] button on the printer driver with the description “Menu”

➜ Single action to be performed (there are no other steps)

1 Step 1 of a series of actions

2 Step 2 of a series of actions.

? *Help is available here.*

➜ The approach that is suggested here is sure to get you to your desired result.

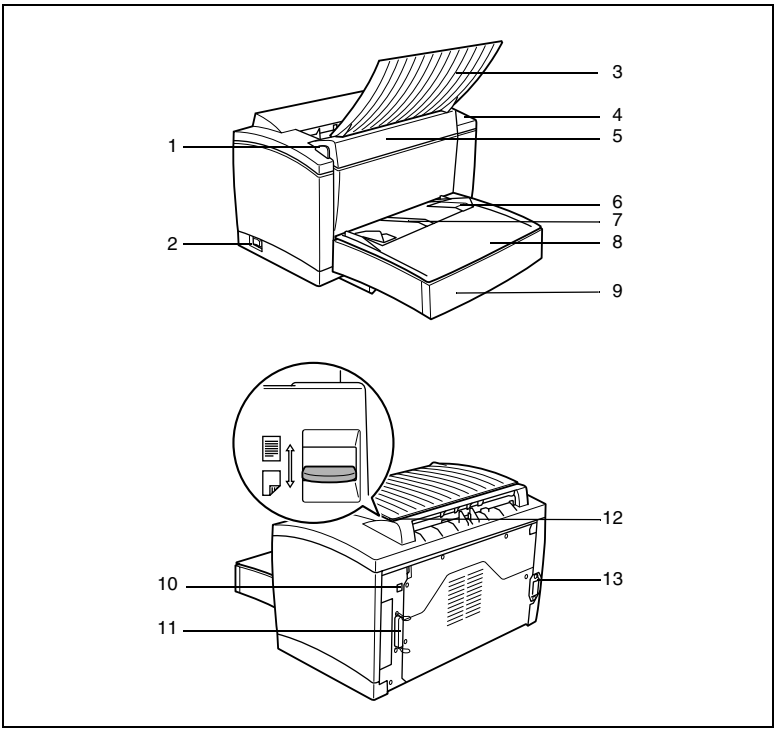
Here you can see what has to be done.

This is a helpful tip
Text passages that are identified in this manner provide you with tips and tricks that make it even easier to work with the printer.

2 Setting up the printer

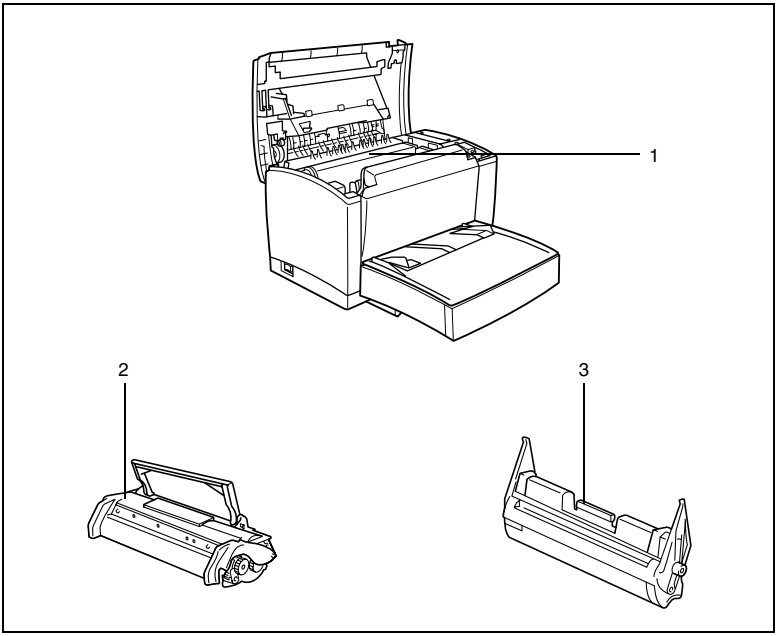
2.1 Overview of the printer

Exterior



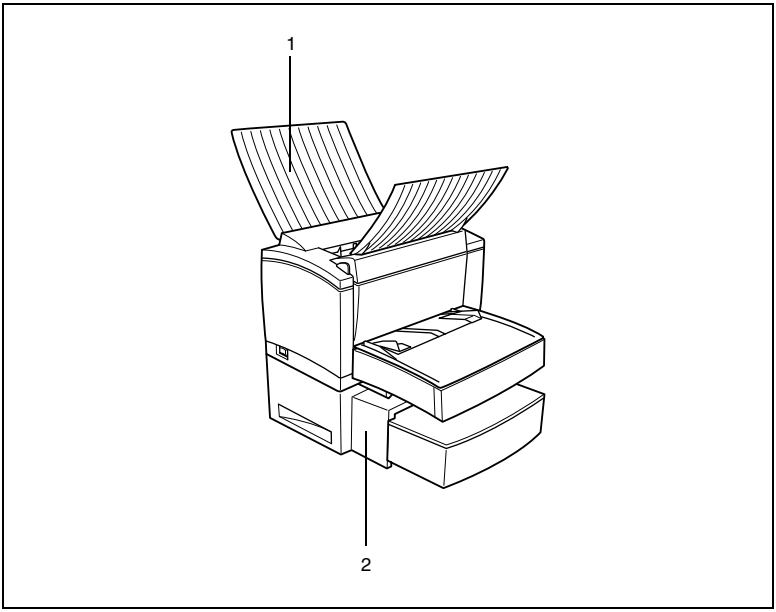
No.	Description	No.	Description
1	Top cover release button	8	Tray cover
2	Power switch (ON/OFF)	9	Tray 1 (universal tray)
3	Face-down tray (printed side down)	10	USB interface connector
4	Control panel	11	Parallel interface connector
5	Top cover	12	Face-up/face-down selection switch (printed side up/down)
6	Paper guides for manual feed tray	13	Power cord socket
7	Manual feed tray		

Interior



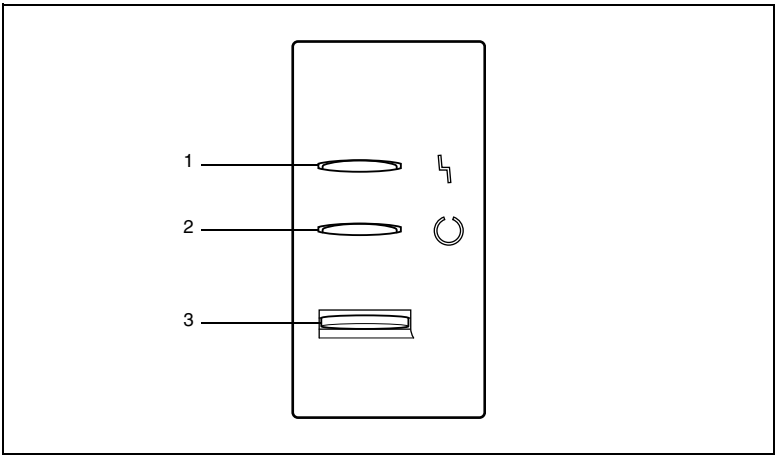
No.	Description	No.	Description
1	Fusing unit	3	Drum cartridge
2	Toner cartridge		

Optional accessories



No.	Description	No.	Description
1	Face-up tray (printed side up)	2	Lower feeder unit (Tray 2) (500-sheet capacity)

Printer control panel



The control panel has two indicators and one button.

No.	Description
1	Error indicator (orange)
2	Ready indicator (green)
3	Panel button

For further information on the control panel, see page 8-4.

2.2 Installing your laser printer

Place of installation

Set up the printer in a place that is

- dry and free from dust
- on a stable surface
- well ventilated
- near an easily accessible power socket
- away from objects which might obstruct the printer's ventilation grille
- away from highly flammable items (such as curtains)
- away from splashing liquids
- away from organic gases (such as ammonia)
- away from direct sunlight
- away from severe temperature fluctuations
- away from exhaust-air from heating, ventilation, and air-conditioning systems

Storage of consumables and accessories

Printing consumables and accessories should be kept

- sealed in their original packaging
- protected from direct sunlight or heat
- protected from fluorescent light
- in a cool, dry, and dust-free place
- out of reach of children

WARNING

Toner poses a health hazard!
Toner is harmful if swallowed.

➜ If you swallow toner, consult a doctor immediately.

➜ If you get toner on your hands, wash them immediately with cold water and soap.

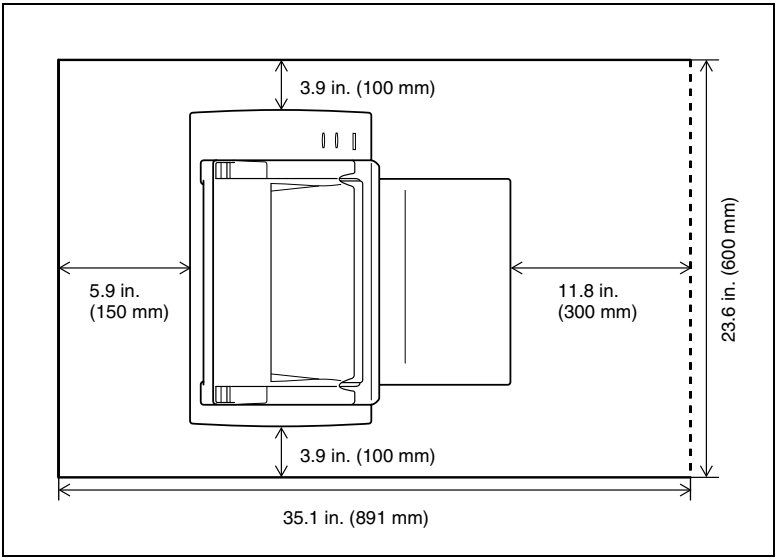
Ambient conditions

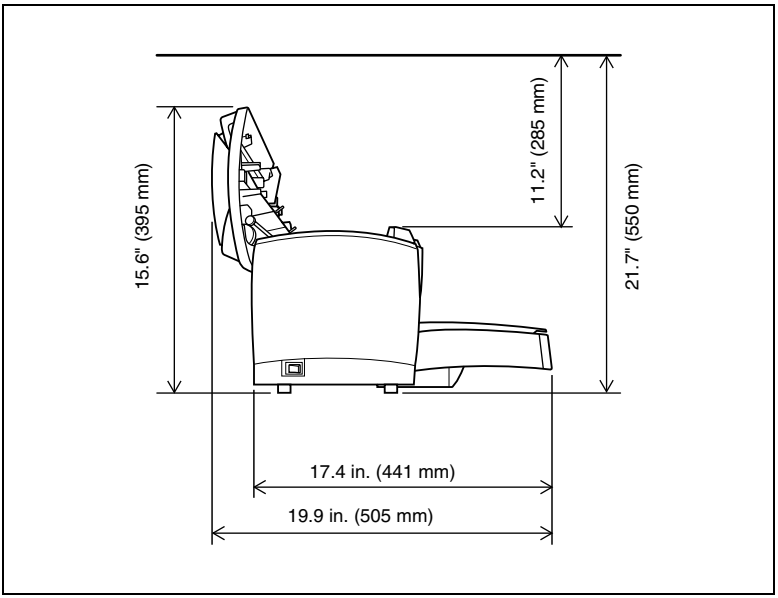
The optimum ambient conditions for your printer are as follows:

- Temperature range: 50°F–95°F/10°C–35°C with maximum fluctuations of 18°F/10°C per hour
- Humidity range: 15%–85% with maximum fluctuations of 20% per hour

Space requirements

Be sure to provide enough space around the printer to ensure easy printer operation, paper and toner replacement, and maintenance.



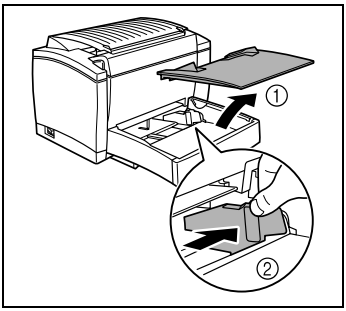


2.3 Setting up your laser printer

Loading paper in Tray 1

1 Remove the tray cover.

2 Squeeze the right media guide and open the media guides.



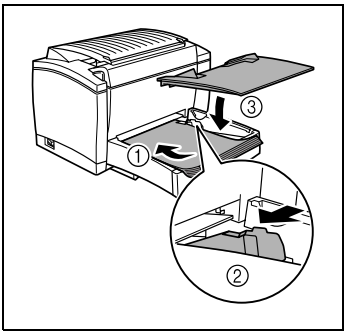
3 Place a stack of paper in the tray.

? *How many sheets may I place in the tray?*

➜ Tray 1 has a capacity of 250 sheets of plain paper. The stack of paper should not rise above the media limit mark.

? *What if I am loading legal-size paper?*

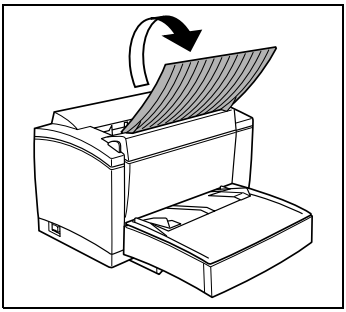
➜ Open the cover at the front of the tray.



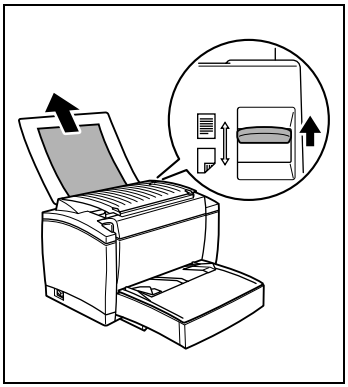
4 Squeeze the right media guide and adjust the media guides so that both the left and right sides of the paper stack are secure.

5 Replace the tray cover.

6 Open the face-down tray.



- If you installed an optional face-up tray and you want the sheets to come out face up, then open the face-up tray instead of the face-down tray, and set the face-up/face-down selection switch as shown.



Loading paper in the manual feed tray

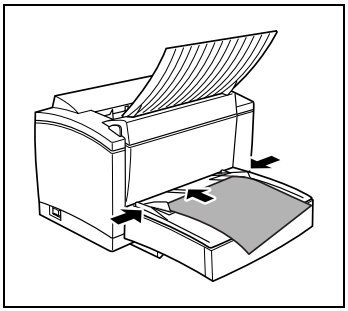
1 Make sure that the tray cover is properly attached to Tray 1.

2 Open the paper guides.

3 Insert a sheet of paper as far as possible into the manual feed tray with the side to be printed facing up, and then adjust the paper guides so that both sides of the paper are secure.

? *How many sheets may I place in the tray?*

→ Load only one sheet of paper at a time.



Connecting the power cord

WARNING

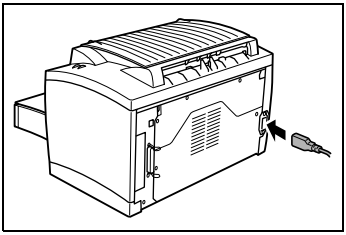
Use only the power cord shipped with the printer. Using the wrong power cord may lead to a short-circuit!
The use of a power cord of inadequate cross-section can lead to a short-circuit.

- ➜ Only use an extension cable which has a higher rating than the current consumption of the printer.
- ➜ Only use grounded cords.
- ➜ Always observe the relevant local regulations regarding the connection of electrical equipment to the main network.

This laser printer requires a non-fluctuating power supply. If necessary, ask an electrician for advice.

- ✔ Voltage: 110V - 10%, 127V + 6%, or 220-240V ± 10%
- ✔ Frequency: 50-60 Hz ± 3Hz

1. Make sure that the printer's power switch is in the "O" (OFF) position.
2. Connect one end of the power cord to the power cord socket on the back of the printer, and plug the other end into a power outlet.



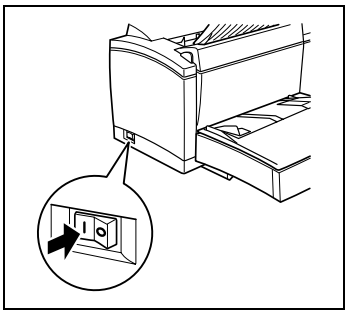
Turning the printer on and off

...

Note

Improper handling may damage the printer!

- Never turn off the printer while a print job is in progress, the printer is receiving data from the computer (blinking green "Ready" indicator on control panel), or the printer is being reset.



➜ Set the power switch to the "I" (ON) position to turn on the printer.

The printer is ready to use in approximately 20 seconds. The green "Ready" indicator should be on (but not blinking) and the orange "Error" indicator off.

➜ Set the power switch to the "O" (OFF) position to turn off the printer.

...

Saving energy is sensible!

When the printer has been inactive for a certain length of time, it automatically switches to the POWER SAVE mode. This time period can be adjusted via the Windows printer tools (see chapter 6).
When the printer receives a new print job while in POWER SAVE mode, it automatically switches to the warmup phase and is ready to print within 7 seconds.

Printing a configuration page

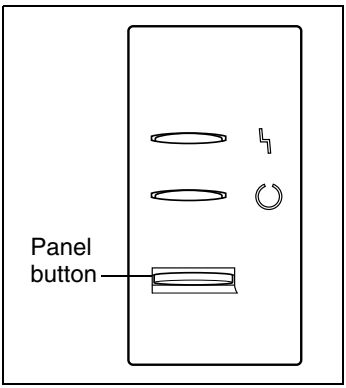
After you have set up and turned on the printer, you should print a configuration page to ensure that the printer is operating correctly.

1 Make sure that

- the orange “Error” indicator is off
- the green “Ready” indicator is on (but not blinking).

2 Briefly press the panel button.

- All indicators blink rapidly.



3 Press the panel button two more times.

- A configuration page is printed.

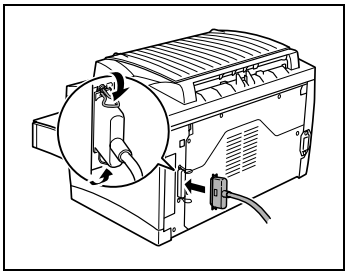
Connecting the printer to a computer

Parallel interface (Windows XP/2000/Me/98/95/NT 4.0)

1 Turn off both the printer and PC.

2 Connect one end of the interface cable to the parallel port of the PC.

3 Connect the other end of the interface cable to the parallel interface connector on the back of the printer. Secure the interface cable using the two clips.



4 Turn on the printer and then, when it's ready, turn on the PC.

? *Does the Windows operating system detect the new device?*

→ If you are using Windows XP/Me/2000/98, plug-and-play printer driver installation should start automatically. Follow the instructions on the screen. See chapter 3 for more information.

→ If you're using Windows XP/Me/2000/98 and plug-and-play driver installation doesn't start automatically, leave the printer on, unplug both ends of the interface cable, and the reconnect the cable. If this does not work, use the instructions in chapter 3 to install the printer driver manually.

→ If you're using Windows 95/NT 4.0, use the instructions in chapter 3 to install the printer driver manually.

For technical specifications of the parallel cable, see chapter 12.

...

Note

Using the wrong type of cable can damage the socket on the printer.

- Use only an IEEE 1284 type B shielded interface cable.

USB interface (Windows XP/2000/Me/98)

...

Note
Windows 95/NT4.0 do not support USB connections.

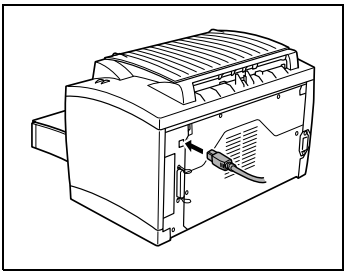
1 Turn off both the PC and the printer.

2 Turn on the PC.

3 Turn on the printer.

4 When Windows and the printer are both ready, connect one end of the interface cable to the PC's USB port.

5 Connect the other end of the interface cable to the USB interface connector on the back of the printer.



? *Does the Windows operating system detect the new device?*

→ Plug-and-play driver installation should start automatically. Follow the instructions on the screen. See chapter 3 for more information.

→ If plug-and-play driver installation doesn't start automatically, leave the printer on, unplug both ends of the interface cable, and the reconnect the cable. If this does not work, use the instructions in chapter 3 to install the printer driver manually.

For technical specifications of the cable, see chapter 12.

...

Note
Using the wrong type of cable can damage the socket on the printer.
- Use only a USB Revision 1.1 compliant cable for connecting the printer to your computer.

3 Installing a printer driver

3.1 Minimum system requirements

Windows

- IBM-compatible PC with a Pentium 133 MHz processor
- Microsoft Windows XP/Me/2000/98/95/NT 4.0
- 64 MB of RAM
- 15 MB free hard disk space
- IEEE 1284 Type B parallel port or USB port
- CD-ROM drive

Macintosh

- Apple Macintosh computer with a PowerPC 604 processor
- Mac OS 9/OS X
- 128 MB of RAM
- 15 MB free hard disk space
- USB port
- CD-ROM drive

3.2 Notes on installing the printer driver

Don't be afraid of the installation!

The installation program is designed so that even people not accustomed to working with computers can easily install a printer driver. You will be led step-by-step through the installation process. All you need to do is follow the installation program.

Before you begin the installation, you should know the following information:

- What operating system is running on your computer (for example, Windows XP)?
- What is the letter of your CD-ROM drive (for example, D)?
- Which optional accessories are installed on your printer (for example, a lower feeder unit)?
- Is your printer connected directly to your computer via a parallel interface cable or a USB cable?

General information on the printer driver

The printer driver is delivered on a CD-ROM along with the printer.

...

No CD-ROM drive?
You can download the printer driver from the Internet. You can find the latest version of the printer driver at http://www.minolta-qms.com (choose "Online Help & Drivers").

Information on installation using "Add Printer" (for Windows)

When installing the printer driver using "Start>Settings>Printer>Add Printer," note the following points:

- The dialog box for installing options is not displayed. Adjust the additional options after you have completed the installation in the printer driver.
- The Status Monitor will not be installed.
- The uninstaller utility will not be installed.

...

Installing the PostScript printer driver
- The PostScript printer driver can be installed under Windows only by using the Add Printer Wizard.

3.3 Installing the USB device driver (Windows)

When connecting the printer to your PC with a USB cable, install the USB device driver according to the following instructions before installing the printer driver.

...

Windows 95/NT 4.0 do not support USB connections.

To install the USB device driver under Windows 98

1 Turn on your PC.

2 Turn on the printer.

3 When Windows and the printer are both ready, insert the CD-ROM that came with your printer into your PC's CD-ROM drive.

? *What if the installation program starts up automatically?*

→ Close the dialog box by clicking the X in the upper-right corner.

4 Connect the printer to the PC with the USB cable (see chapter 2) to display the Add New Hardware Wizard dialog box.

5 Choose [Next] to display the next dialog box.

6 Check the "Search for the best driver for your device. (Recommended)." option button, and then choose [Next].

7 When the next dialog box displays, check the “Specify a location” box, and then choose [Browse].

8 Browse the CD-ROM and navigate to “drivers\winMe,9x\usb.” Then choose [OK].

9 Follow the instructions on the screen to complete the installation.

10 When the following dialog box displays, choose [Finish] to finish the installation.

This completes the installation of the USB device driver for the PagePro 1250E printer.

11 When the Add New Hardware Wizard dialog box displays, continue with step 2 of “To install the printer driver using Plug-and-Play under Windows 98” on page 3-19.

To install the USB device driver under Windows Me

1 Turn on your PC.

2 Turn on the printer.

3 When Windows and the printer are both ready, insert the CD-ROM that came with your printer into your PC's CD-ROM drive.

? *What if the installation program starts up automatically?*

➜ Close the dialog box by clicking the X in the upper-right corner.

4 Connect the printer to the PC with the USB cable (see chapter 2) to display the Add New Hardware Wizard dialog box.

5 Check the "Specify the location of the driver (Advanced)" option button, and then choose [Next].

6 Check the "Search for the best driver for your device. (Recommended)". option button, check the "Specify a location" box, and then choose [Browse].

7 Browse the CD-ROM and navigate to "drivers\winMe,9x\usb." Then choose [OK].

8 Follow the instructions on the screen to complete the installation.

9 When the following dialog box displays, choose [Finish] to finish the installation.

This completes the installation of the USB device driver for the PagePro 1250E printer.

10 When the Add New Hardware Wizard dialog box displays, continue with step 2 of “To install the printer driver using Plug-and-Play under Windows Me” on page 3-20.

To install the USB device driver under Windows 2000

If the printer is connected to the PC using a USB cable, USB Printing Support may automatically be incorporated, depending on the operating system. In order to activate all functions of the PagePro 1250E, the USB device driver for PagePro 1250E must be installed.

Install the USB device driver for PagePro 1250E according to the following procedure.

1 Turn on your PC.

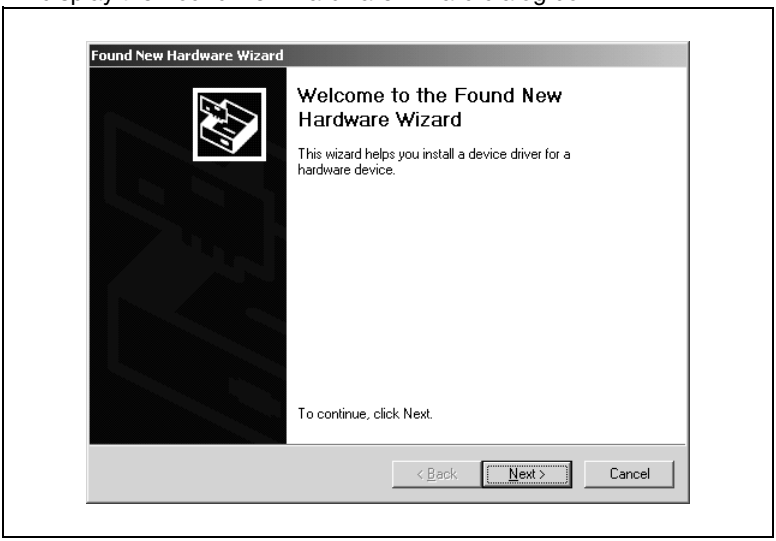
2 Turn on the printer.

3 When Windows and the printer are both ready, insert the CD-ROM that came with your printer into your PC's CD-ROM drive.

? *What if the installation program starts up automatically?*

➔ Close the dialog box by clicking the X in the upper-right corner.

4 Connect the printer to the PC with the USB cable (see chapter 2) to display the Found New Hardware Wizard dialog box.



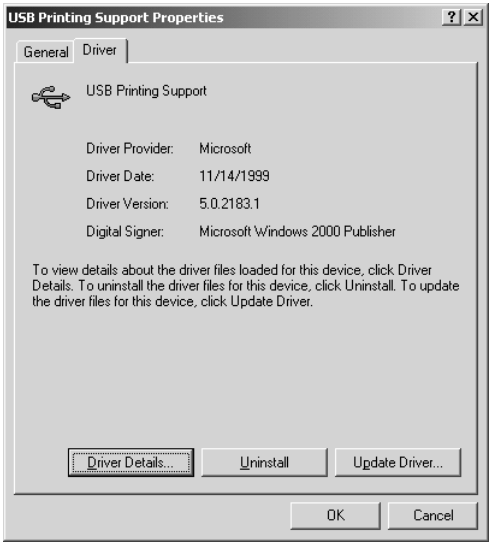
5 Choose [Cancel] to close the “Found New Hardware Wizard” dialog box.

6 Right-click the “My Computer” icon on the desktop, and then choose “Properties” in the shortcut menu that displays. The System Properties dialog box displays.

7 Choose the “Hardware” tab of the System Properties dialog box, and then choose the [Device Manager] button.

8 Double-click “USB Printing Support” below “Universal Serial Bus controllers.” The USB Printing Support Properties dialog box displays.

9 Choose the “Driver” tab of the USB Printing Support Properties dialog box, and then choose [Update Driver].



10 Choose [Next] to display the next dialog box.

11 Check the “Search for a suitable driver for my device (recommended)” option button, and then choose [Next].

12 When the next dialog box displays, check the “Specify a location” box, and then choose [Next].

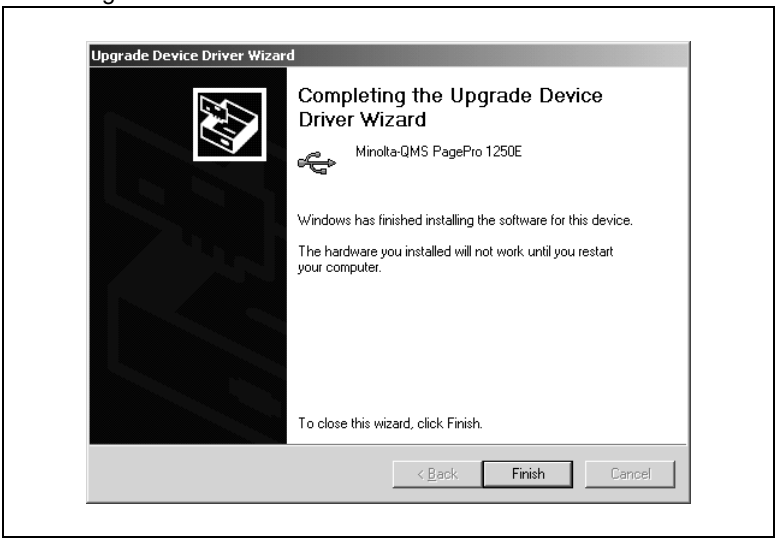
13 Choose [Browse].

14 Browse the CD-ROM and navigate to “drivers\winMe,9x\usb.” Then choose [Open].

15 Choose [OK], and then choose [Next].

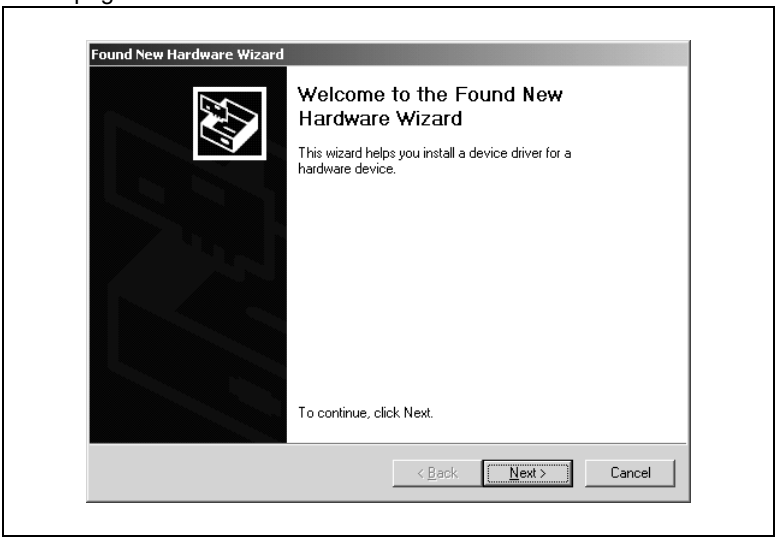
16 Follow the instructions on the screen to complete the installation.

17 When the following dialog box displays, choose [Finish] to finish installing the USB device driver.



18 Choose [Yes] to restart your PC.

19 When the following dialog box displays after restarting your PC, continue with step 4 of “To install the printer driver using Plug-and-Play” on page 3-26.



To install the USB device driver under Windows XP

If the printer is connected to the PC using a USB cable, USB Printing Support may automatically be incorporated, depending on the operating system. In order to activate all functions of the PagePro 1250E, the USB device driver for PagePro 1250E must be installed.

Install the USB device driver for PagePro 1250E according to the following procedure.

1 Turn on your PC.

2 Turn on the printer.

3 When Windows and the printer are both ready, insert the CD-ROM that came with your printer into your PC's CD-ROM drive.

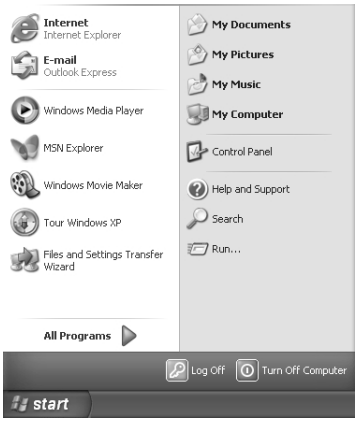
? *What if the installation program starts up automatically?*

➔ Close the dialog box by clicking the X in the upper-right corner.

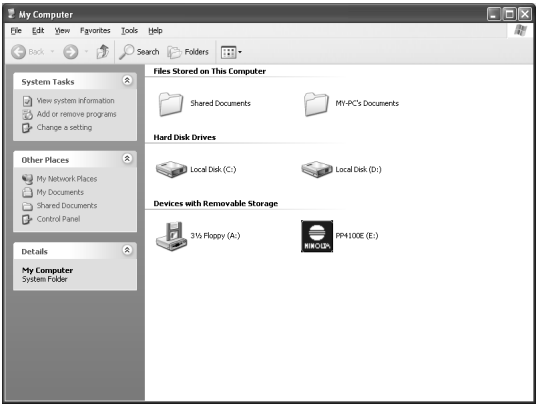
4 Connect the printer to the PC with the USB cable (see chapter 2) to display the Found New Hardware Wizard dialog box.

5 Choose [Cancel] to close the “Found New Hardware Wizard” dialog box.

6 Choose [Start], and then choose “My Computer.”



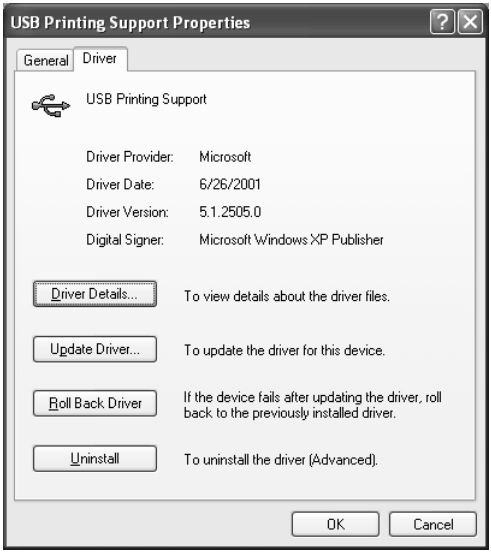
7 Choose “View system information” in the System Tasks list.



8 Choose the “Hardware” tab of the System Properties dialog box, and then choose the [Device Manager] button.

9 Double-click “USB Printing Support” below “Universal Serial Bus controllers.” The USB Printing Support Properties dialog box displays.

10 Choose the “Driver” tab of the USB Printing Support Properties dialog box, and then choose [Update Driver...].



11 Choose the “Install from a list or specific location (Advanced)” option button, and then choose [Next].

12 When the next dialog appears, check the “Don’t search. I will choose the driver to install” box, and then choose [Next].

13 Choose [Have Disk...].

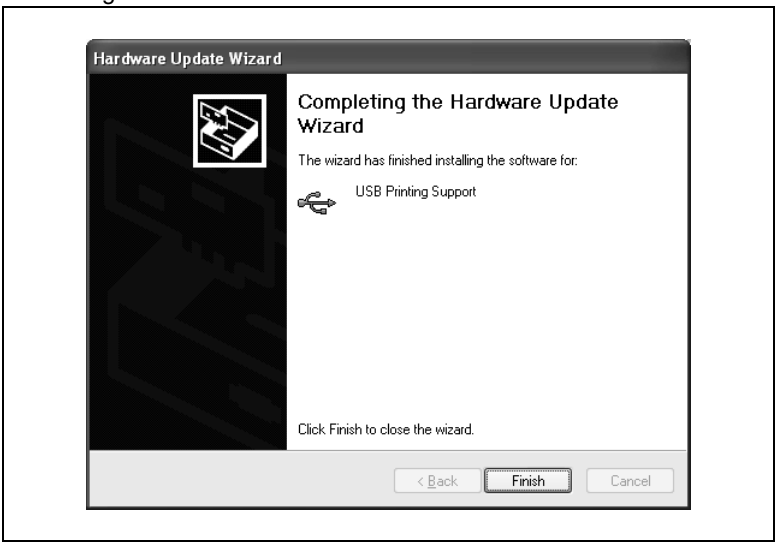
14 Choose [Browse...].

15 Browse the CD-ROM and navigate to “drivers\winMe,9x\usb.” Then choose [Open].

16 Choose [OK], and then choose [Next].

17 Follow the instructions on the screen to complete the installation.

18 When the following dialog box displays, choose [Finish] to finish installing the USB device driver.



This completes the installation of the USB device driver for the PagePro 1250E printer.

19 When the Found New Hardware Wizard dialog box displays, continue with “Installing the printer driver under Windows XP” on page 3-31.

3.4 Installing the printer driver using the installer (Auto Run) under Windows

The CD-ROM supplied with the printer starts automatically after being loaded into the CD-ROM drive of your PC. You are guided step-by-step through the installation procedure.

1 Turn on the PC.

2 After Windows starts, insert the CD-ROM in the CD-ROM drive of your PC.

The installation program starts automatically.

? *What if the installation program does not start up automatically?*

➜ In Windows Explorer browse to the CD-ROM directory. Then double-click “setup.exe” to start the installation program.

3 Follow the instructions for the installation program.

- If a dialog box allowing you to select whether to install printer tools displays, check the “Printer tools” box if you want to install the Status Monitor and the Printer Control Panel. Then choose [OK] to display the next step.
- Once the printer driver has been successfully installed, the “MINOLTA-QMS PagePro 1250E” printer icon displays in the Printers dialog box.

- If Printer tools was installed, restart the PC.

3.5 Installing the printer driver under Windows 95

For a simple way of installing the printer driver, we recommend using the Auto Run installer. (See “Installing the printer driver using the installer (Auto Run) under Windows” on page 3-15.)

However, there are other ways of installing the printer driver without using the installer. This section provides information on installing the PagePro 1250E printer driver under Windows 95.

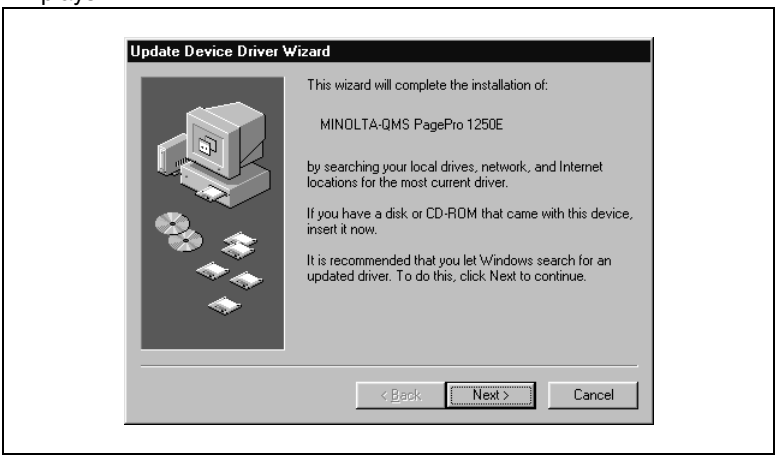
...

Installing the PostScript printer driver
The PostScript printer driver can be installed under Windows only by using the Add Printer Wizard.

To install the printer driver using Plug-and-Play

1 After connecting the printer to your PC with the parallel cable, turn on the printer.

2 Turn on the PC.
After Windows starts, the Update Device Driver Wizard dialog box displays.



3 Insert the CD-ROM that came with your printer into your PC’s CD-ROM drive, and then choose [Next].

4 Choose [Other Locations], and then choose [Browse].

5 Browse the CD-ROM and navigate to “drivers\winMe,9x\pcl*x*\english.” Then choose [OK].

6 Follow the instructions on the screen to complete the installation.

7 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box. To display the Printers dialog box, choose [Start], point to [Settings], and then choose [Printers].

8 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

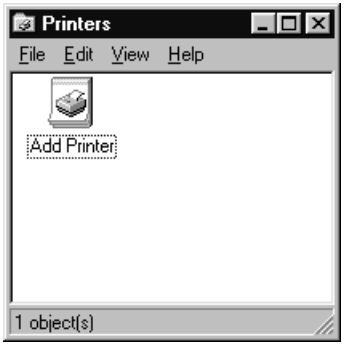
To install the printer driver using the Add Printer Wizard

1 Turn on the PC.

2 After Windows starts, insert the CD-ROM that came with your printer into your PC’s CD-ROM drive.

3 Choose [Start], point to [Settings], and then choose [Printers].

4 Double-click the “Add Printer” icon.



5 Choose [Next].

6 Select “Local Printer.”

7 Choose [Next].

8 Choose [Have Disk], and then choose [Browse].

9 Browse the CD-ROM and navigate to “drivers\winMe,9x\pcl*x*\english” (for the PCL printer driver) or “drivers\winMe,9x\ps\english” (for the PostScript printer driver). Then choose [OK].

10 Choose [OK], and then choose [Next].

11 Follow the instructions on the screen to complete the installation.

12 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box.

13 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

3.6 Installing the printer driver under Windows 98/Me

For a simple way of installing the printer driver, we recommend using the Auto Run installer. (See “Installing the printer driver using the installer (Auto Run) under Windows” on page 3-15.)

However, there are other ways of installing the printer driver without using the installer. This section provides information on installing the PagePro 1250E printer driver under Windows 98 or Windows Me.

...

Installing the PostScript printer driver

The PostScript printer driver can only be installed under Windows by using the Add Printer Wizard.

To install the printer driver using Plug-and-Play under Windows 98

The Plug-and-Play installation with a parallel connection is described below. For details on the installation with a USB connection, see “To install the USB device driver under Windows 98” on page 3-3.

1 After connecting the printer to your PC with the parallel cable, turn on the printer.

2 Turn on the PC.
After Windows starts, the Add New Hardware Wizard dialog box displays.

3 Insert the CD-ROM that came with your printer into your PC’s CD-ROM drive, and then choose [Next].

4 Choose the “Display a list of all the drivers in a specific” button, and then choose [Next].

5 Check “Printer,” and then choose [Next].

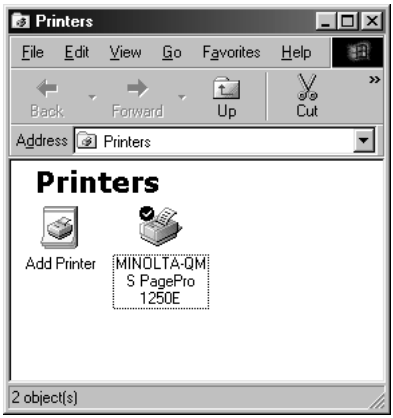
6 Choose [Have Disk], and then choose [Browse].

7 Browse the CD-ROM and navigate to “drivers\winMe,9x\pcl*x*\english.” Then choose [OK].

8 Choose [OK], and then choose [Next].

9 Follow the instructions on the screen to complete the installation.

10 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box. To display the Printers dialog box, choose [Start], point to [Settings], and then choose [Printers].



11 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

To install the printer driver using Plug-and-Play under Windows Me

The Plug-and-Play installation with a parallel connection is described below. For details on the installation with a USB connection, see “To install the USB device driver under Windows Me” on page 3-5.

1 After connecting the printer to your PC with the parallel cable, turn on the printer.

2 Turn on the PC.
After Windows starts, the Add New Hardware Wizard dialog box displays.

3 Insert the CD-ROM that came with your printer into your PC's CD-ROM drive, and choose the "Specify the location of the driver (Advanced)" button. Then choose [Next].

4 Check the "Display a list of all the drivers in a specific location, so you can select the driver you want" option button, and then choose [Next].

5 Check "Printer," and then choose [Next].

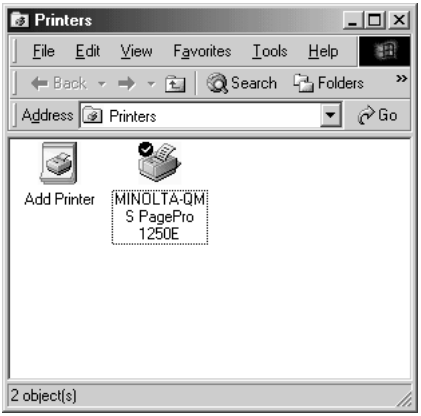
6 Choose [Have Disk], and then choose [Browse].

7 Browse the CD-ROM and navigate to "drivers\winMe,9x\pcl*x*\english." Then choose [OK].

8 Choose [OK], and then choose [Next].

9 Follow the instructions on the screen to complete the installation.

10 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box. To display the Printers dialog box, choose [Start], point to [Settings], and then choose [Printers].



11 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

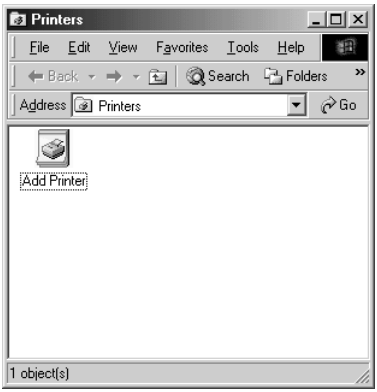
To install the printer driver using the Add Printer Wizard under Windows Me/98

1 Turn on the PC.

2 After Windows starts, insert the CD-ROM that came with your printer into your PC’s CD-ROM drive.

3 Choose [Start], point to [Settings], and then choose [Printers].

4 Double-click the “Add Printer” icon.



5 Choose [Next].

6 Select “Local Printer.”

7 Choose [Next].

8 Choose [Have Disk], and then choose [Browse].

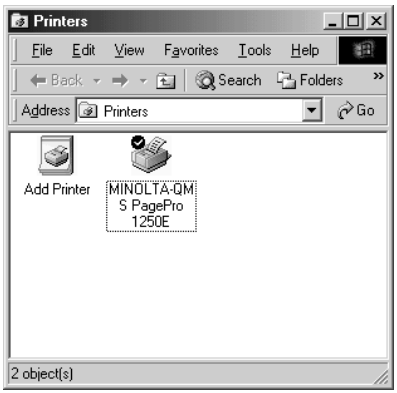
9 Browse the CD-ROM and navigate to “drivers\winMe,9x\pcl*x*\english” (for the PCL printer driver) or “drivers\winMe,9x\ps\english” (for the PostScript printer driver). Then choose [OK].

10 Choose [OK], and then choose [Next].

11 Specify the appropriate port.
If you are using a parallel connection, select “LPT*x*:” (*x*=1, 2, etc.).
If you are using a USB connection, select “USB001.”
Then choose [OK].

12 Follow the instructions on the screen to complete the installation.

13 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box.



14 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

3.7 Installing the printer driver under Windows NT 4.0

For a simple way of installing the printer driver, we recommend using the Auto Run installer. (See “Installing the printer driver using the installer (Auto Run) under Windows” on page 3-15.)

However, there are other ways of installing the printer driver without using the installer. This section provides information on installing the PagePro 1250E printer driver under Windows NT 4.0.

To install the printer driver using the Add Printer Wizard

1 Turn on the PC.

2 After Windows starts, insert the CD-ROM that came with your printer into your PC’s CD-ROM drive.

3 Choose [Start], point to [Settings], and then choose [Printers].

4 Double-click the “Add Printer” icon.

5 Select “My Computer.”

6 Choose [Next].

7 Specify the ports you want to use and the choose [Next].

8 Choose [Have Disk], and then choose [Browse].

9 Browse the CD-ROM and navigate to “drivers\winnt\pcl*x*\english” (for the PCL printer driver) or “drivers\winnt\ps\english” (for the PostScript printer driver). Then choose [Open].

10 Choose [OK], and then choose [Next].

11 Follow the instructions on the screen to complete the installation.

12 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box.

13 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

3.8 Installing the printer driver under Windows 2000

For a simple way of installing the printer driver, we recommend using the Auto Run installer. (See “Installing the printer driver using the installer (Auto Run) under Windows” on page 3-15.)

However, there are other ways of installing the printer driver without using the installer. This section provides information on installing the PagePro 1250E printer driver under Windows 2000.

...

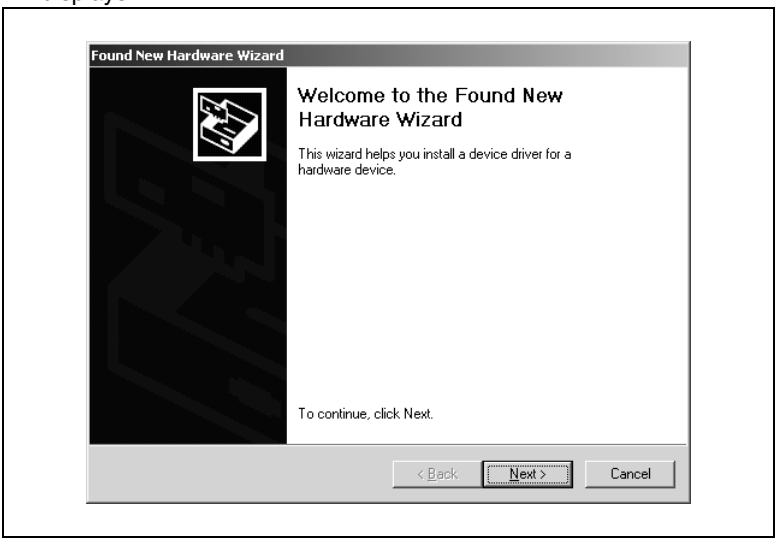
Installing the PostScript printer driver
The PostScript printer driver can be installed under Windows only by using the Add Printer Wizard.

To install the printer driver using Plug-and-Play

For a parallel connection:

1 After connecting the printer to your PC, turn on the printer.

2 Turn on the PC.
After Windows starts, the Found New Hardware Wizard dialog box displays.



❍ Continue with step 5 on the following page.

For a USB connection:

1 Turn on your PC.

2 Turn on the printer.

3 When Windows and the printer are both ready, connect the printer to the PC with the USB cable (for details, refer to chapter 2) to display the Found New Hardware Wizard dialog box.

4 Insert the CD-ROM that came with your printer into your PC's CD-ROM drive, and then choose [Next].

5 Check the "Display a list of the known drivers for this device so that I can choose a specific driver" option button, and then choose [Next].

6 Choose "Printers," and then choose [Next].

7 Choose [Have Disk], and then choose [Browse].

8 Browse the CD-ROM and navigate to "drivers\win2k\pcl*x*\english." Then choose [Open].

9 Choose [OK], and then choose [Next].

10 Follow the instructions on the screen to complete the installation.

11 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box. To display the Printers dialog box, choose [Start], point to [Settings], and then choose [Printers].

12 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

...

Note

With a USB connection, the USB device driver for the PagePro 1250E must be installed. Leave the CD-ROM in the CD-ROM drive and install the USB device driver. See “To install the USB device driver under Windows 2000” on page 3-7.

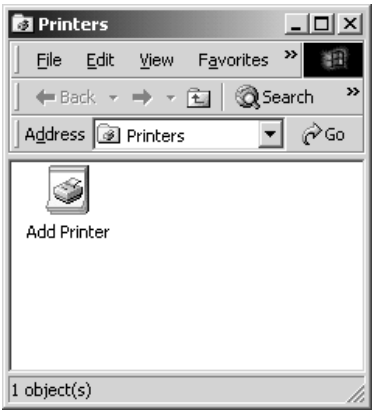
To install the printer driver using the Add Printer Wizard

1 Turn on the PC.

2 After Windows starts, insert the CD-ROM that came with your printer into your PC's CD-ROM drive.

3 Choose [Start], point to [Settings], and then choose [Printers].

4 Double-click the "Add Printer" icon.



5 Choose [Next].

6 Select "Local printer."

- Do not check the "Automatically detect and install my Plug and Play printer" box.

7 Choose [Next].

8 Choose the "Use the following port:" button, and specify the ports you want to use and then choose [Next].
If you are using a parallel connection, select "LPT*x*:" (*x*=1, 2, etc.).
If you are using a USB connection, select "USB001."

9 Choose [Have Disk], and then choose [Browse].

10 Browse the CD-ROM and navigate to "drivers\win2k\pcl*x*\english" (for the PCL printer driver) or "drivers\win2k\ps\english" (for the PostScript printer driver). Then choose [Open].

11 Choose [OK], and then choose [Next].

12 Follow the instructions on the screen to complete the installation.

13 Check that the “MINOLTA-QMS PagePro 1250E” printer icon is displayed in the Printers dialog box.

14 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

3.9 Installing the printer driver under Windows XP

For a simple way of installing the printer driver, we recommend using the Auto Run installer. See “Installing the printer driver using the installer (Auto Run) under Windows” on page 3-15.

However, there are other ways of installing the printer driver without using the installer. This section provides information on installing the PagePro 1250E printer driver under Windows XP.

...

Installing the PostScript printer driver

The PostScript printer driver can be installed under Windows only by using the Add Printer Wizard.

To install the printer driver using Plug-and-Play

For a parallel connection:

1 After connecting the printer to your PC, turn on the printer.

2 Turn on the PC.
After Windows starts, the Found New Hardware Wizard dialog box displays.

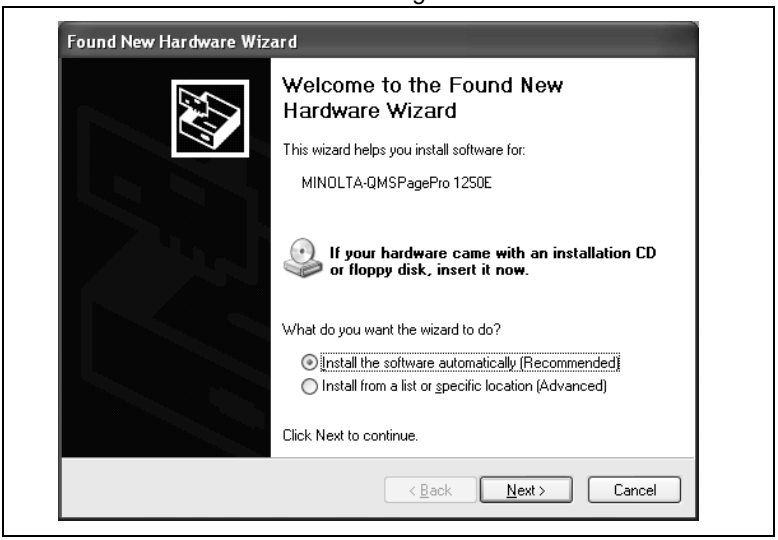
❍ Continue with step 5 on the following page.

For a USB connection:

1 Turn on your PC

2 Turn on the printer.

3 When Windows and the printer are both ready, connect the printer to the PC with the USB cable (for details, refer to chapter 2) to display the Found New Hardware Wizard dialog box.



4 Insert the CD-ROM that came with your printer into your PC's CD-ROM drive, and then choose [Next].

5 Check the "Install from a list or specific location (Advanced)" option button, and then choose [Next].

6 Check the "Don't search, I will choose the driver to install" option button, and then choose [Next].

7 Select "Printers" in the Common hardware types list, and then choose [Next].

8 Choose [Have Disk], and then choose [Browse].

9 Browse the CD-ROM and navigate to "drivers\win2k\pcl*x*\english." Then choose [Open].

10 Choose [OK], and then choose [Next].

11 Follow the instructions on the screen to complete the installation.

...

Note

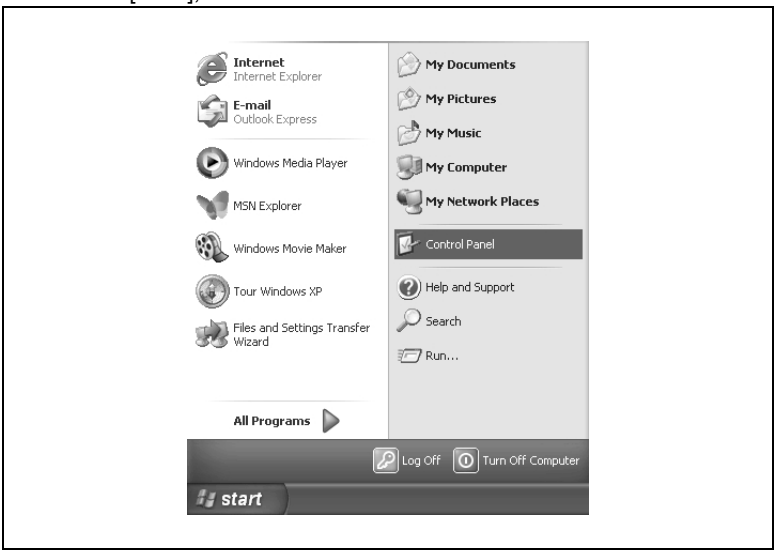
With a USB connection, the USB device driver for the MINOLTA-QMS PagePro 1250E must be installed. Leave the CD-ROM in the CD-ROM drive and install the USB device driver. See "To install the USB device driver under Windows XP" on page 3-11.

To install the printer driver using the Add Printer Wizard

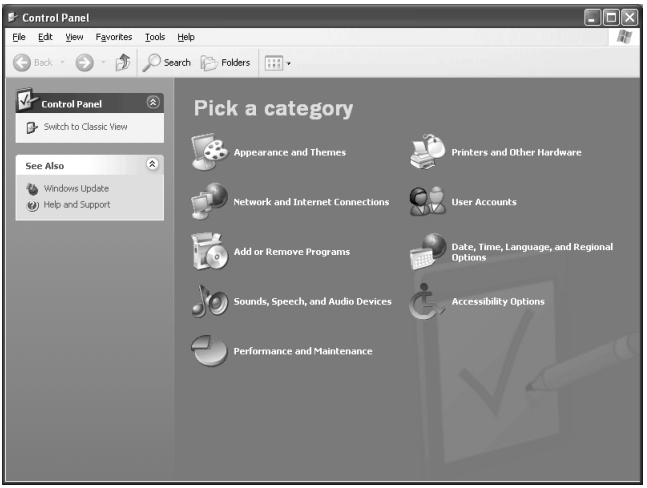
1 Turn on the PC.

2 After Windows starts, insert the CD-ROM that came with your printer into your PC's CD-ROM drive.

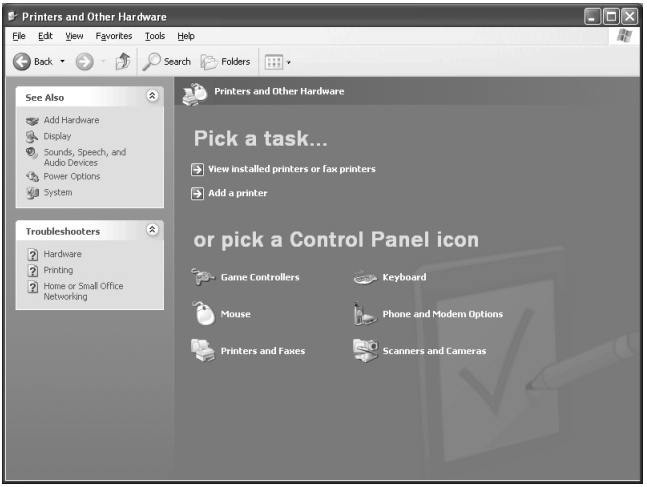
3 Choose [Start], and then Choose "Control Panel."



4 In “Pick a category” choose “Printers and Other Hardware.”



5 In “Pick a task” choose [Add a printer].



6 Choose [Next].

7 Select “Local printer attached to this computer.”

- Do not check the “Automatically detect and install my Plug and Play printer” box.

8 Choose [Next].

9 Choose the “Use the following port:” button, and specify the ports you want to use and then choose [Next].
If you are using a parallel connection, select “LPT*x*:” (*x*=1, 2, etc.).
If you are using a USB connection, select “USB001.”

10 Choose [Have Disk], and then choose [Browse].

11 Browse the CD-ROM and navigate to “drivers\win2k\pcl*x*\english” (for the PCL printer driver) or “drivers\win2k\ps\english,” and then choose [Open].

12 Choose [OK], and then choose [Next].

13 Follow the instructions on the screen to complete the installation.

14 Remove the CD-ROM from your PC’s CD-ROM drive. This completes the installation of the printer driver.

3.10 Installing the PostScript printer driver under Mac OS

...

Note

If Mac OS X or later is being used, switch to the Classic environment before performing the following procedure.

To install the PostScript printer driver under Mac OS

Use the following procedure to install the PostScript printer driver under Mac OS.

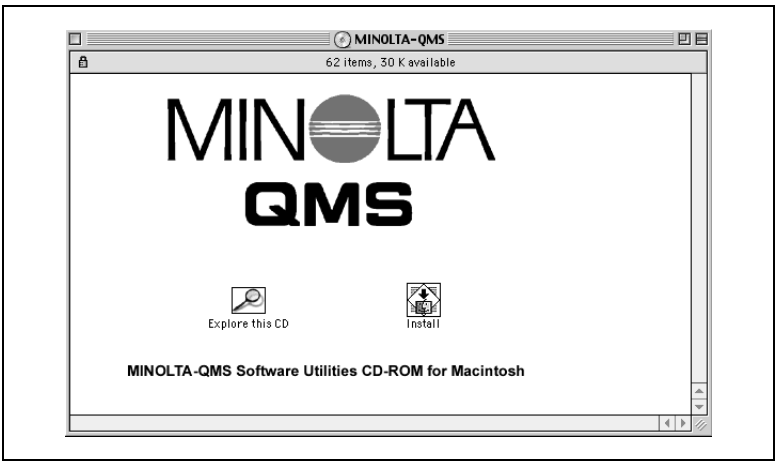
1 After connecting the printer to your Macintosh with the USB cable, turn on the printer.

2 Turn on the Macintosh.

3 When the Macintosh is ready, insert the CD-ROM that came with your printer into your computer's CD-ROM drive.

4 Double-click on "MINOLTA-QMS" icon to start the installation program.

5 Double-click the "install" icon.



6 Follow the instructions on the screen to complete the installation.

7 After the printer driver is installed, continue with the following section to specify the USB printer settings.

To specify the USB printer settings

Use the following procedure to specify the USB printer settings in order to print through the USB port.

Note

✔ To use this USB software for printing with PagePro 1250E, Apple LaserWriter 8.3 or later must be installed. First, check the version of LaserWriter installed on the Macintosh.

1 Open the Macintosh Hard Disk icon on the desktop.

2 Open the “Apple Extras” folder.

If your Macintosh is running Mac OS 9.1 or later, open the Applications folder.

3 Open the “Apple LaserWriter Software” folder.

If your Macintosh is running Mac OS 9.1 or later, open Utilities folder.

4 Double-click “Desktop Printer Utility.”

5 Choose “Printer (USB)” from the “Create Desktop” list, and then choose [OK].

6 Choose [Change] from the “PostScript Printer description (PPD) file” section to select a specific driver.

7 Choose “MINOLTA-QMS PagePro 1250E,” and then choose [Select].

8 Choose [Change] from the “USB Printer Selection” section to select the USB printer.

9 Choose “PagePro 1250E,” and then choose [OK].

10 Choose [Create].

11 Select the location and name for your printer, and then choose [Save].

This completes the installation of the printer driver and the specification of the USB printer settings.

3.11 Uninstalling the PCL printer driver and USB device driver

This section describes how to uninstall the PagePro 1250E printer driver when necessary.

Note

If the uninstallation program is used to remove the printer driver, the USB device driver is also removed.

Note

If you used Add Printer to install the printer driver, there is no uninstaller utility. To remove the printer, select it and delete it in the Printers folder.

Note

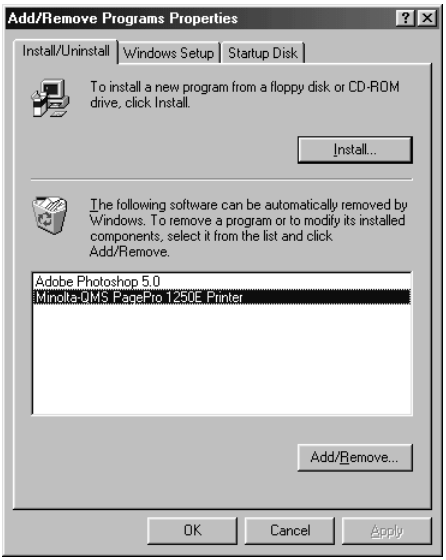
The screen images that appear in this section show the examples of uninstallation under Windows 98. Your screen may differ slightly.

To uninstall the PCL printer driver under Windows Me/98/95/2000/ NT 4.0

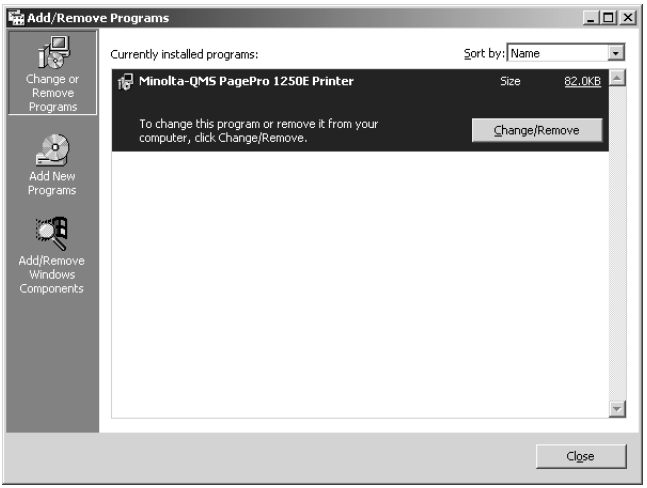
1 Choose the [Start] button, point to [Settings], and then choose [Control Panel].

2 Double-click the “Add/Remove Programs” icon in the Control Panel dialog box to open the Add/Remove Programs Properties dialog box.

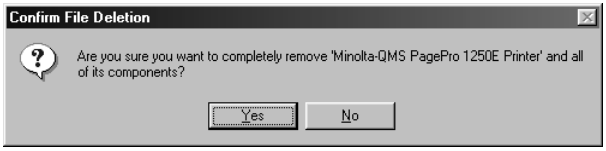
3 For Windows Me/98/95/NT 4.0, select “MINOLTA-QMS PagePro 1250E Printer,” and then choose [Add/Remove] to uninstall the printer driver.



For Windows 2000, select “MINOLTA-QMS PagePro 1250E Printer,” and then choose [Change/Remove] to uninstall the printer driver.



4 Choose [Uninstall] to proceed with the uninstallation or [Cancel] to abort.



5 After the PagePro 1250E printer driver has been removed, choose [OK].

6 Choose [Yes] to close the window.

...

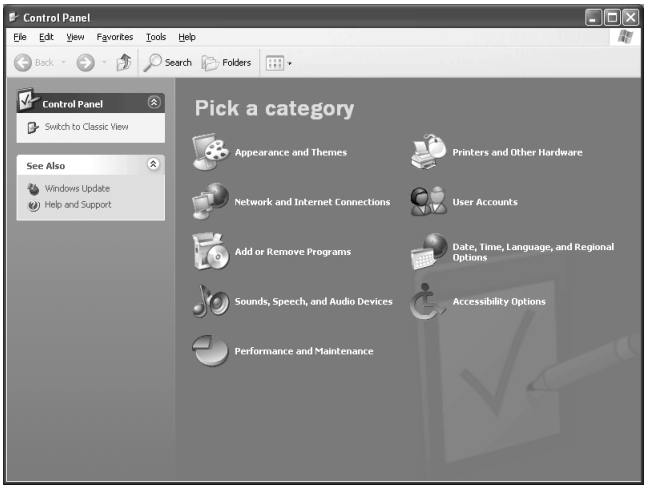
Note

It is recommended that you restart your computer after uninstallation.

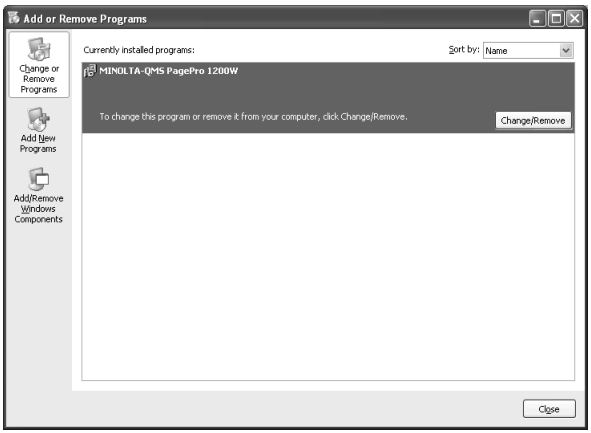
To uninstall the printer driver under Windows XP

1 Choose the [Start] button, and then choose“Control Panel.”

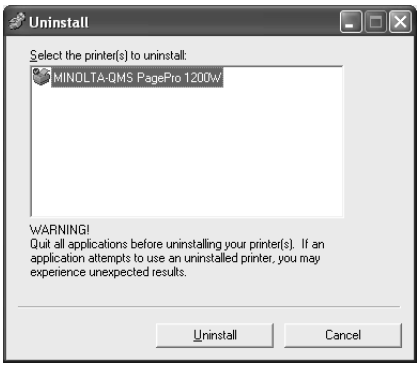
2 In “Pick a category” choose “Add or remove Programs” to open the Add or Remove Programs dialog box.



3 Select “MINOLTA-QMS PagePro 12050E,” and then choose [Change/Remove] to uninstall the printer driver.

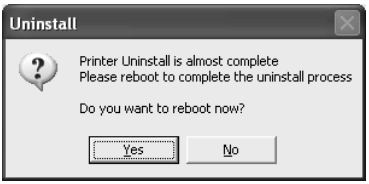


4 Select “MINOLTA-QMS PagePro 1250E” in the Uninstall dialog box.



5 Choose [Uninstall] to proceed with the uninstallation or [Cancel] to abort.

6 When the following dialog box displays, choose [Yes] to restart the PC.



...

Note

If is recommended that you restart your computer after uninstallation.

4 Working with the Windows PCL printer drivers

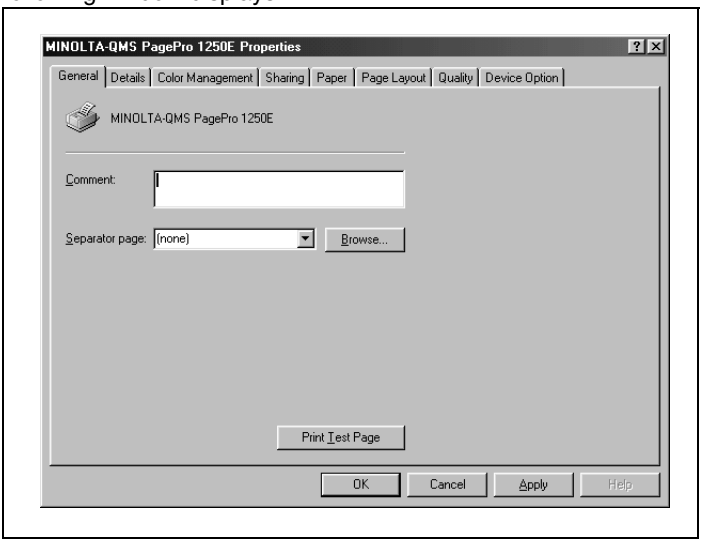
4.1 Displaying printer driver settings (Windows Me/98/95/2000/NT 4.0)

1 From the Start menu, choose Settings and then Printers to display the Printers directory.

2 Select the MINOLTA-QMS PagePro 1250E printer icon.

3 Display the printer driver settings:

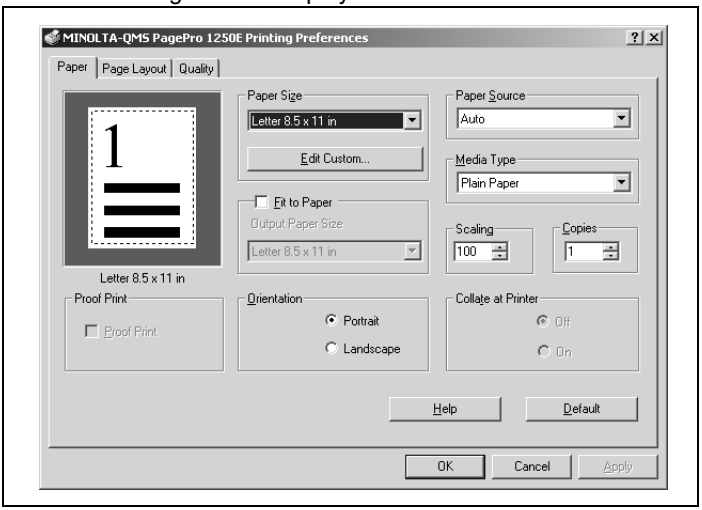
- **Windows Me/98/95**—From the File menu choose Properties. The following window displays.



...

The operating system also uses tabs!
The “General” and “Details” tabs are automatically determined by the operating system and are therefore not described in this manual.

- **Windows 2000**—From the File menu choose Printing Preferences. The following window displays.



- **Windows NT 4.0**—From the File menu choose Document Defaults. A window similar to the Windows 2000 window shown above displays.

4.2 Displaying printer driver settings (Windows XP)

1 From the Start menu, choose Control Panel.

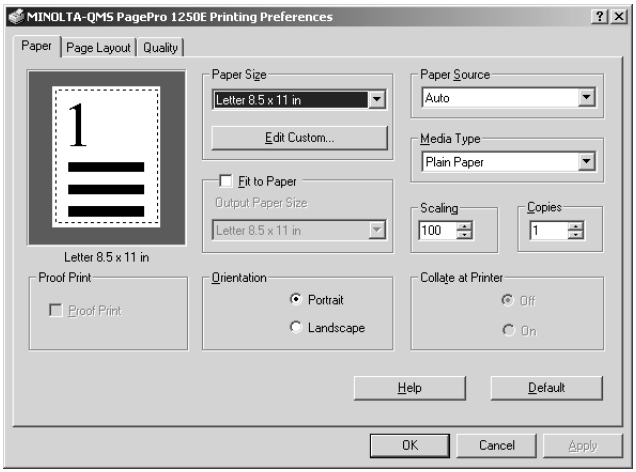
2 In Pick a Category choose Printers and Other Hardware.

3 In Pick a task choose View installed printers or fax printers.

4 Select the MINOLTA-QMS PagePro 1250E printer icon.

5 To display the printer driver settings, from the File menu choose Printing Preferences...

4.3 Paper tab

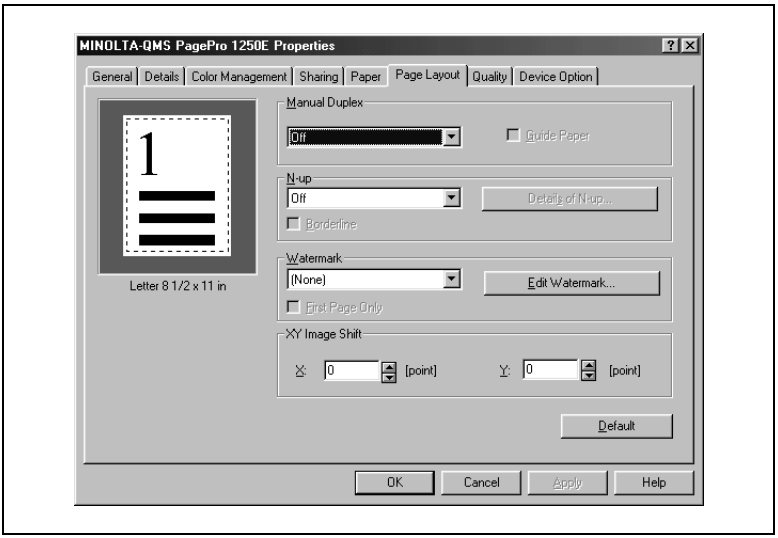


The Paper tab allows you to

- Select a media size
- Define custom media sizes
- Fit printed documents to a specified media size
- Specify the orientation of the media
- Specify paper feed from different trays
- Define the type of paper/media
- Scale (enlarge/reduce) documents
- Specify the number of copies
- Turn on/off the printer's sorting function
- Turn on/off the Proof Print function

Refer to the printer driver's online help for information on all of these functions.

4.4 Page Layout tab

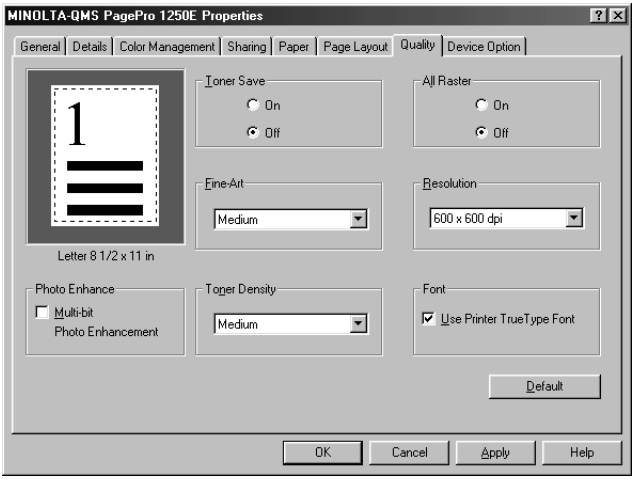


The Page Layout tab allows you to

- Specify manual duplex printing (you cannot duplex from the manual feed tray)
- Print several pages of a document on the same page (n-up printing)
- Provide a watermark on printed documents
- Design custom watermarks
- Adjust the printable area

Refer to the printer driver's online help for information on all of these functions.

4.5 Quality tab

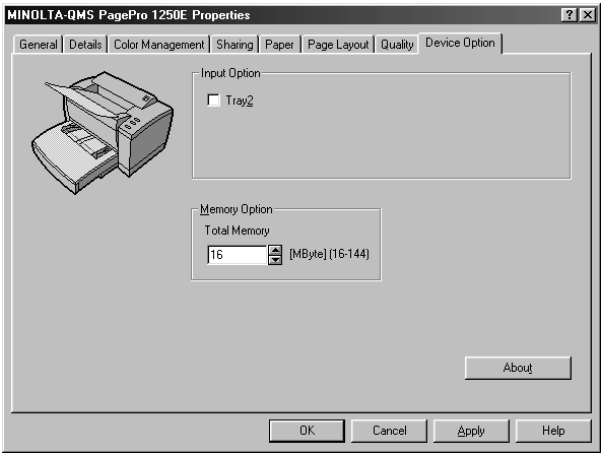


The Quality tab allows you to

- Turn on/off Toner Save mode
- Optimize the print quality of text and graphics (Fine-Art)
- Specify the toner density
- Optimize the exchange of text and graphics data with the printer (All Raster)
- Specify the resolution
- Activate/deactivate the use of TrueType Fonts
- Turn on/off the photo enhancement function

Refer to the printer driver's online help for information on all of these functions.

4.6 Device Option tab



The Device Option tab allows you to

- Activate the optional lower feeder unit (Tray 2)
- Define the total amount of memory installed in the printer

Refer to the printer driver's online help for information on all of these functions.

Windows 2000/NT 4.0 only!
The Device Option tab for Windows 2000/NT 4.0 is integrated in a different system sector and must be called up separately.

1 From the Start menu choose Settings and then Printers to display the Printers dialog.

2 In the Printers dialog, select the MINOLTA-QMS PagePro 1250E printer icon.

3 From the File men choose Properties to display the Properties dialog box.

4 Choose the Device Option tab.

5 Working with the Windows PostScript printer drivers

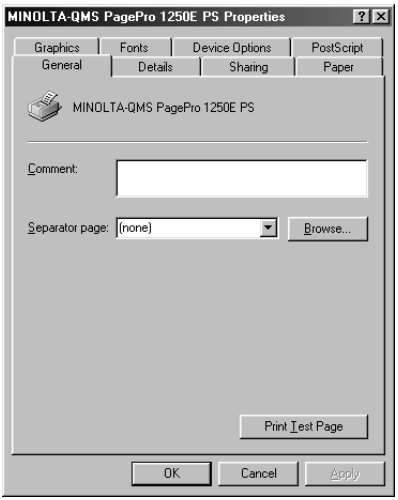
5.1 Displaying printer driver settings (Windows Me/98/95, 2000, NT 4.0)

1 From the Start menu choose Settings and then Printers to display the Printers window.

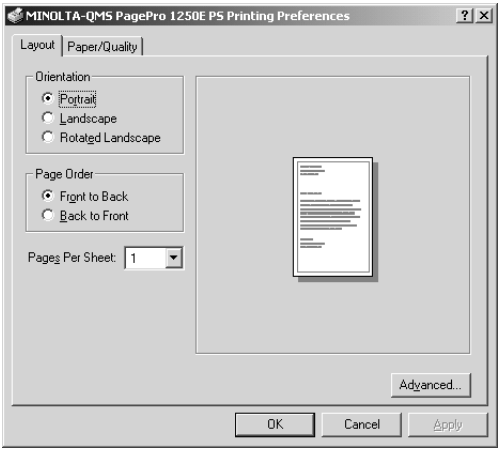
2 In the Printers window, select the MINOLTA-QMS PagePro 1250E PS printer icon.

3 Display the printer driver settings:

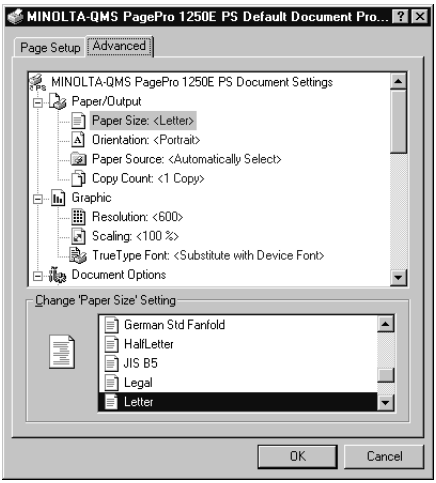
- **Windows Me/98/95**—From the File menu choose Properties. The Properties window displays.



- **Windows 2000**—From the File menu choose Printing Preferences... The Printing Preferences window displays.



- **Windows NT 4.0**—From the File menu choose Document Defaults... The Default Document Properties window displays.



5.2 Displaying printer driver settings (Windows XP)

1 From the Start menu, choose Control Panel.

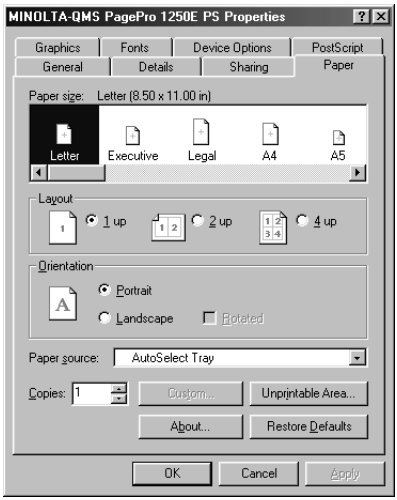
2 In Pick a Category choose Printers and Other Hardware.

3 In Pick a task choose View installed printers or fax printers.

4 Select the MINOLTA-QMS PagePro 1250E printer icon.

5 To display the printer driver settings, from the File menu choose Printing Preferences...

5.3 Paper tab (Windows Me/98/95)

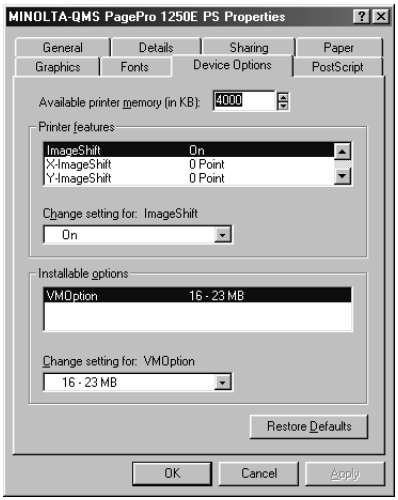


The Paper tab allows you to

- Specify a media size (see appendix A for a list of supported media sizes)
- Define custom media sizes
  - minimum size: 3.0" × 5.0" 76 × 127 mm
  - maximum size: 8.5" × 14.0" 216 × 356 mm
- Print several pages of a document on the .same page (n-up printing)
- Specify the orientation of the media
- Specify a media source
  - ➔ To feed media manually, place a sheet of media in the manual feed tray and then press the panel button.
- Specify the number of copies

Refer to the printer driver's online help for information on all of these functions.

5.4 Device Options tab (Windows Me/98/95)



Available printer memory

This item allows you to specify the amount of memory (in KB) installed in your printer.

Printer features

The items in this list box allow you to fine-tune the general features of the printer for a specific document.

- Collate—Controls whether collation of multiple printed copies should be performed by the printer (On) or by the application (Off)
- Fine-Art—Improves the appearance of text and graphics by smoothing jagged edges by using fewer (Light) or more (Dark) dots
- Fit to Page—Scales the printed document to fit on the specified media size
- ImageShift—Allows you to adjust the horizontal (X) and vertical (Y) printable area on the physical page (use this item with X-Image Shift and Y-Image Shift)
- Media Type—Identifies the type of media to be printed
- MultiBit—Controls multibit printing
- Print Watermark—Specifies whether the watermark should be printed on all pages of the document or on just the first page

- Proof Print—Stops printing after the first copy of a multi-copy print job so that you can confirm print quality
- Toner Density—Adjusts the density of the toner used during printing
- Toner Save—Allows you to conserve toner when printing rough drafts or sample documents
- Watermark—Specifies the text of the watermark to be printed
- Watermark Angle—Specifies the angle of the watermark on the page
- Watermark Font—Specifies the font used to print the watermark
- Watermark Size—Specifies the size (in points) of the watermark
- X-Image Shift—Specifies the amount (in points) to move the printable area horizontally on the physical page
- Y-Image Shift—Specifies the amount (in points) to move the printable area vertically on the physical page

To modify a feature, first select the item and then select one of the corresponding settings in the Change Setting For list box.

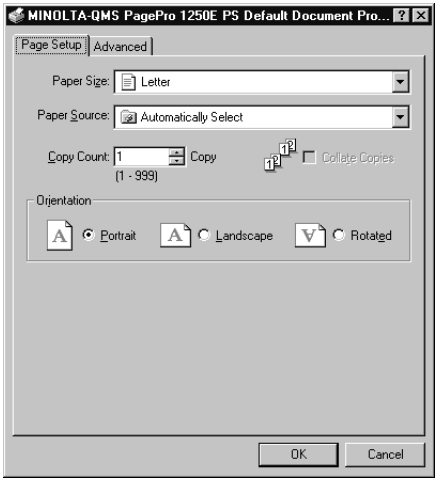
Installable options

This list box displays the options that are available for installation on your printer.

To change the setting for an option, first select the option and then select one of the corresponding settings in the Change Setting For list box.

- VMOption—Allows you to specify the amount of memory installed in your printer.

5.5 Page Setup tab (Windows NT 4.0)

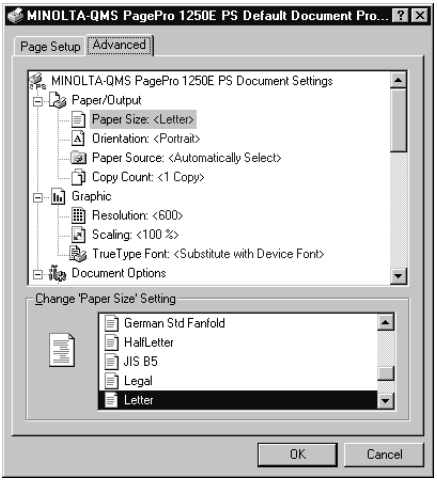


The Page Setup tab allows you to

- Specify a media size
- Specify a media source
  - ➔ To feed media manually, place a sheet of media in the manual feed tray and then press the panel button.
- Specify the number of copies
- Specify the orientation of the media

Refer to the printer driver's online help for more information on the Page Setup tab.

5.6 Advanced tab (Windows NT 4.0)



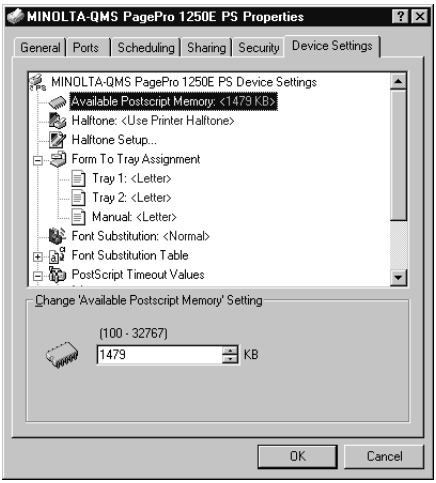
The Advanced tab allows you to control and fine-tune many of the advanced features of your printer driver. The features are organized in a tree format with three main branches:

- Paper/Output
- Graphic
- Document Options

To change the setting for a feature, first select the feature in the top window and then select one of the corresponding settings in the bottom window.

Refer to the printer driver's online help for more information on the Advanced tab.

5.7 Device Settings tab (Windows NT 4.0)



The Device Settings tab for Windows NT 4.0 is integrated in a different system sector and must be called up separately.

1 From the Start menu, choose Settings, and then choose Printers to display the Printers window.

2 In the Printers window, select the MINOLTA-QMS PagePro 1250E PS printer icon.

3 From the File menu choose Properties. The Properties window displays.

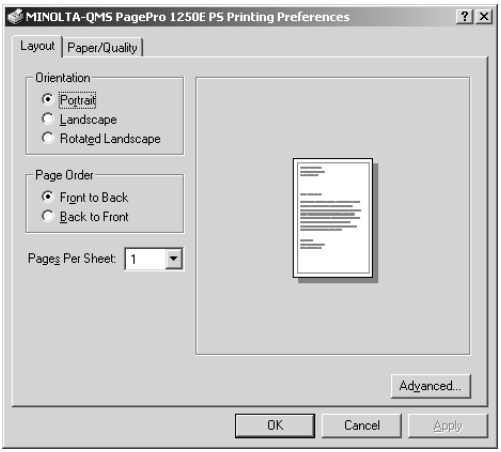
4 Choose the Device Settings tab.

The Device Settings tab consists of two windows that allow you to specify and manage the options that have been installed on your printer. The top window displays the features and current settings. The bottom window allows you to change the settings. The contents of the bottom window are determined by the item that is selected in the top window.

To change the setting for a feature, first select the feature in the top window and then select one of the corresponding settings in the bottom window.

Refer to the printer driver's online help for more information on the Device Settings tab.

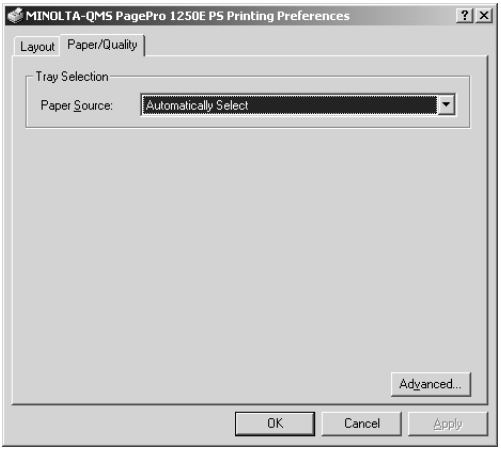
5.8 Layout tab (Windows 2000)



The Layout tab allows you to

- Specify the orientation of the media
- Specify the order in which the pages of the document should be printed
- Print several pages of a document on the same sheet of media

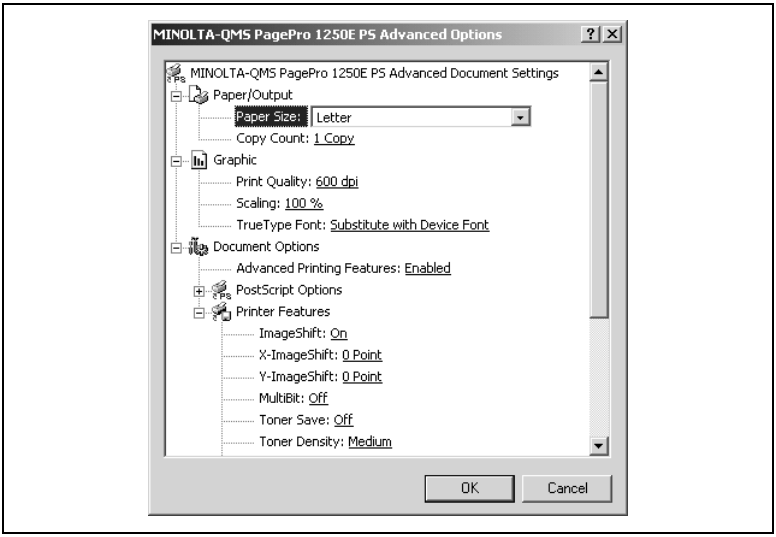
5.9 Paper/Quality tab (Windows 2000)



The Paper/Quality tab allows you to

- Specify a media source
  - ➔ To feed media manually, place a sheet of media in the manual feed tray and then press the panel button.

Advanced Options (Windows 2000)

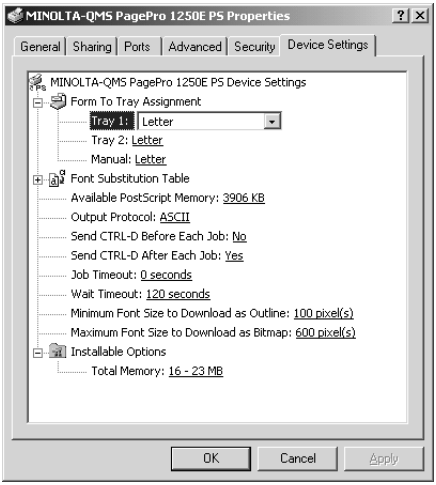


Choose the Advanced... button on either the Layout tab or the Paper/ Quality tab to open the Advanced Options window.

The settings in this window allow you to control and fine-tune many of the advanced features of your printer driver. The features are organized in a tree format with three main branches: Paper/Output, Graphic and Document Options.

Refer to the printer driver's online help for more information on the Advanced Document Settings.

5.10 Device Settings tab (Windows 2000)



The Device Settings tab for Windows 2000 is integrated in a different system sector and must be called up separately.

1 From the Start menu, choose Settings, and then choose Printers to display the Printers window.

2 In the Printers window, select the MINOLTA-QMS PagePro 1250E PS printer icon.

3 From the File menu choose Properties. The Properties window displays.

4 Select the Device Settings tab.

The Device Settings dialog box appears.

The Device Settings tab allows you to view and change the setup of the printer and its options. To change a setting, select the item that you want to change, and then select the desired setting from either the box or drop-down list that appears.

Refer to the printer driver's online help for more information on the Device Settings tab.

6 Working with the Windows printer tools

The Windows printer tools include the following:

- Status Monitor
- Printer Control Panel

Automatic startup of Status Monitor!
If ,when you installed the printer driver, you activated the option to automatically start the printer driver, then the Status Monitor also automatically starts when you start the computer.

6.1 Environment

The Status Monitor and Printer Control Panel can be used with the following operating systems and interfaces.

	IEEE 1284 Parallel	USB
Windows XP	○	○
Windows Me	○	○
Windows 2000	○	○
Windows 98	○	○
Windows 98 SE	○	○
Windows 95	○	—
Windows NT 4.0	○	—

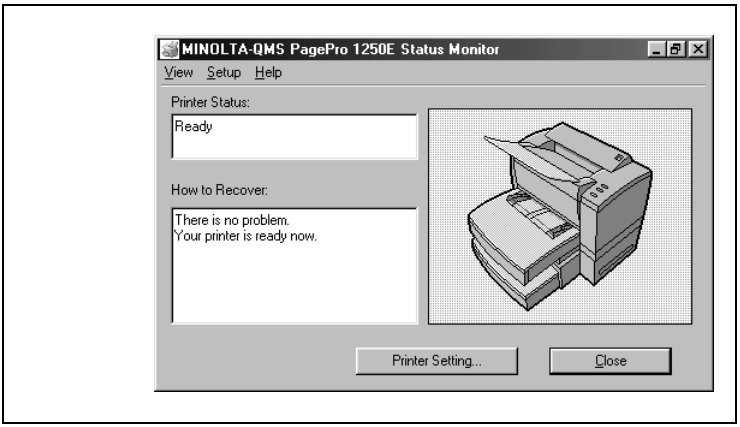
6.2 Opening the Status Monitor

The Status Monitor allows you to monitor the printer and the progress of current print jobs. Use one of the following steps to open the Status Monitor.

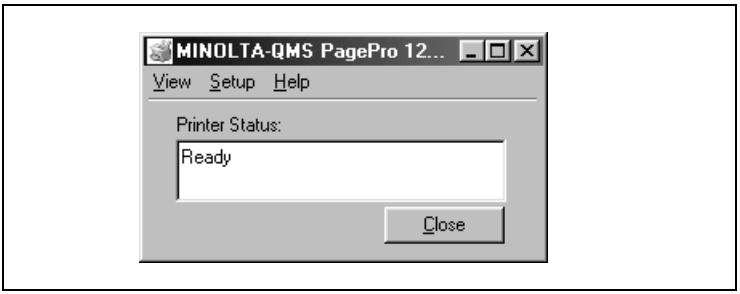
- **Windows Me/98/95/2000/NT 4.0—**From the Start menu, choose Programs, then MINOLTA-QMS PagePro 1250E, and then MINOLTA-QMS PagePro 1250E Printer Tools to display the Status Monitor.
- **Windows XP—**Choose Start, choose All Programs, then MINOLTA-QMS PagePro 1250E, and then MINOLTA-QMS PagePro 1250E Printer Tools to display the Status Monitor.

Altering the size of the Status Monitor window

- From the View menu choose Expand to increase the size of the window.

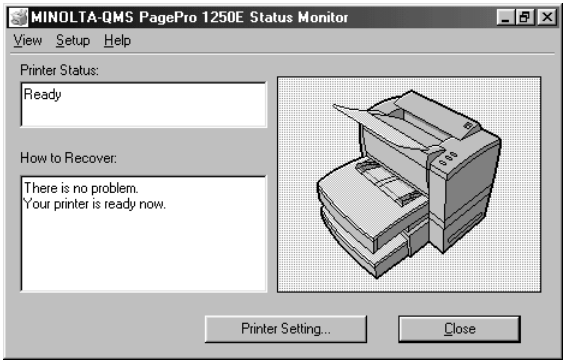


- From the View menu choose Reduce to decrease the size of the window.



6.3 Monitoring print jobs with the Status Monitor

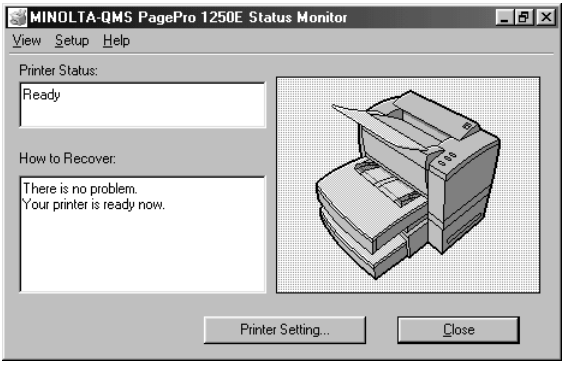
- When the background of the printer graphic is green, the printer is in Stand-by mode or a job is printing normally.
- When the background to the printer graphic is red, there is an error and the job has been interrupted. The status of the printer and the error message are shown in the dialog boxes on the left.



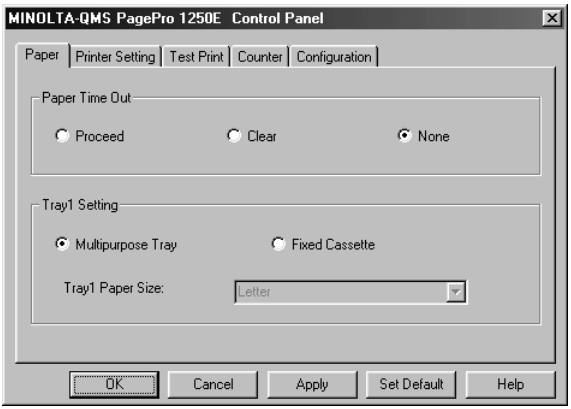
6.4 Opening the Printer Control Panel

The Printer Control Panel lets you check and/or alter the basic settings of the printer. Use the following steps to open the Control Panel:

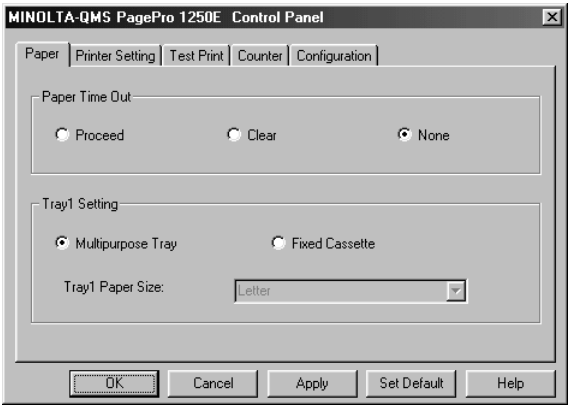
1 From the Start choose Programs, then MINOLTA-QMS PagePro 1250E, and then MINOLTA-QMS PagePro 1250E Printer Tools to display the Status Monitor.



2 Choose the Printer Setting... button
or
from the Setup menu choose Printer Setting to display the Control Panel.



6.5 Paper tab



The Paper tab allows you to

- Specify how the printer should respond to a media size error (the requested media size is not available)
- Specify whether Tray 1 is to be used as a multipurpose (universal) tray or as a tray set to a single media size

Refer to the Printer Control Panel's online help for information on all of these functions.

...

Turn on "Auto continue"!

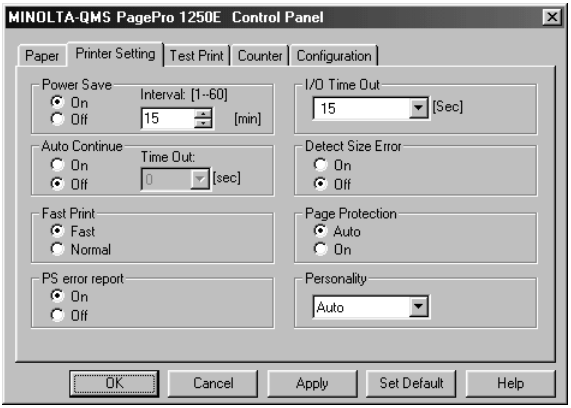
The Auto Continue option on the Printer Setting tab allows you to specify whether a print job is to continue after a certain amount of time has elapsed despite a paper size error.

...

Settings

The settings for Tray 1 on the Paper tab may be overridden by the settings in other printing applications!

6.6 Printer Setting tab

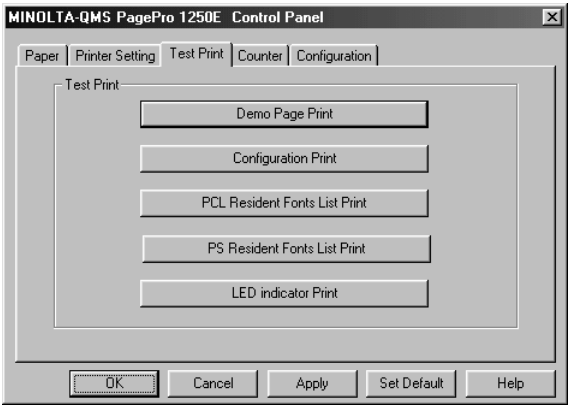


The Printer Setting tab allows you to

- Turn on/off the Power Save mode
- Turn on/off the automatic continuation in case of a format or memory overflow error
- Switch between fast and normal printing modes
- Turn on/off printing of a PostScript error report
- Define the length of time the printer waits for the end of a print job before timing out
- Turn on/off detection of media size errors
- Activate the page protection function (the printer waits until the data for a page has been completely loaded into memory before printing)
- Define the printer personality (PostScript, PCL, or auto-switching)

Refer to the Printer Control Panel's online help for information on all of these functions.

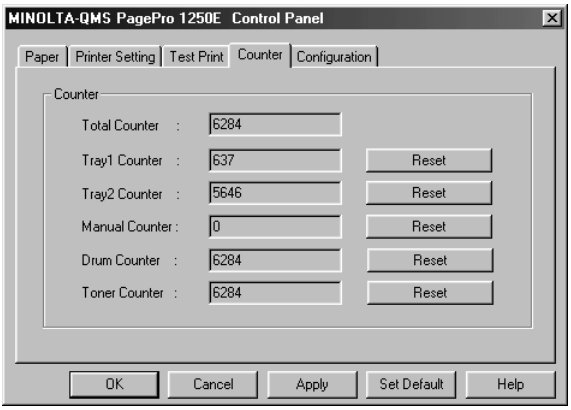
6.7 Test Print tab



The Test Print tab allows you to

- Print a demonstration page, an overview of all printer functions
- Print a configuration page, listing current printer settings
- Print a list of PCL-resident fonts with designations and samples
- Print a list of PostScript-resident fonts with designations and samples
- Print an overview of the most important LED indicator light patterns

6.8 Counter tab



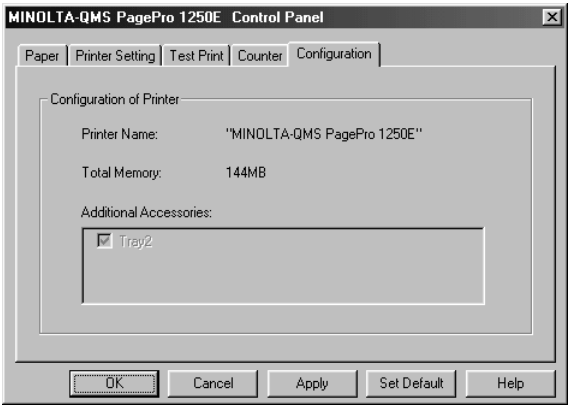
The Counter tab allows you to

- Check the status of a counter
- Reset a counter (when starting a new media count in one of the trays or after replacing a consumable)

➔ Click [Reset] adjacent the counter you want to reset.

The associated counter is reset to zero.

6.9 Configuration tab



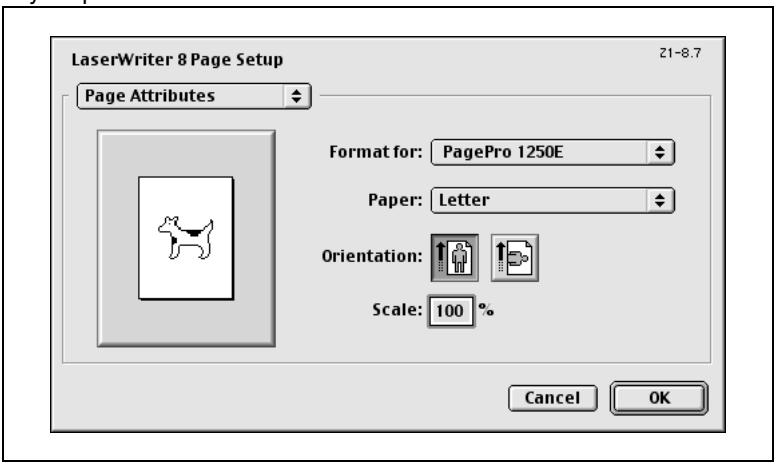
The Configuration tab summarizes the most important printer settings for quick reference.

No settings can be altered on this tab.

7 Working with the Macintosh printer driver

7.1 Page Attributes settings

The Page Setup dialog contains settings that affect the format and output of your printed documents.



Paper

The Paper setting allows you to specify a media size. See the list of supported media sizes in chapter 12, "Specifications."

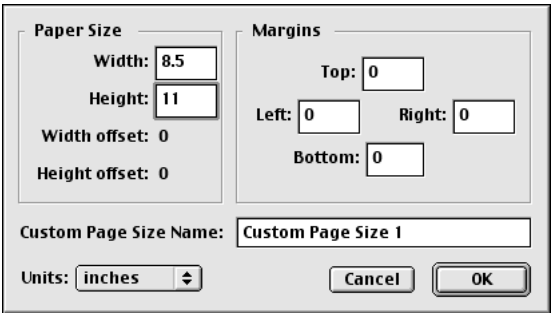
Orientation

The Orientation setting allows you to specify how your document is positioned on the printed page.

Scale

You can adjust the area of a document through the Scale setting. The maximum percentage of enlargement is 400. The maximum percentage of reduction is 25.

Custom Page



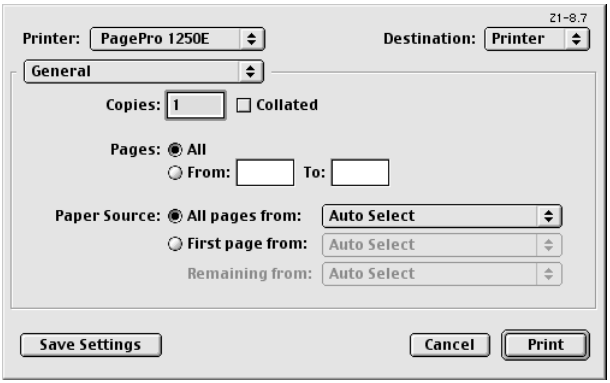
1 Enter the dimensions for the custom width and height into the appropriate boxes.

- minimum size: 3.0" × 5.0" 76 × 127 mm
- maximum size: 8.5" × 14.0" 216 × 356 mm

2 Specify either inches or centimeters, and then choose OK.

7.2 General settings

This section describes specific settings that you can make with this printer driver.



Copies

Specify the number of copies to be printed. You can specify any value from 1 to 999.

Collated

When you are printing more than one copy of a document, you can enable the Collated feature to sort documents as they are sent to the output tray (pages 1,2,3... , 1,2,3..., 1,2,3).

Paper Source

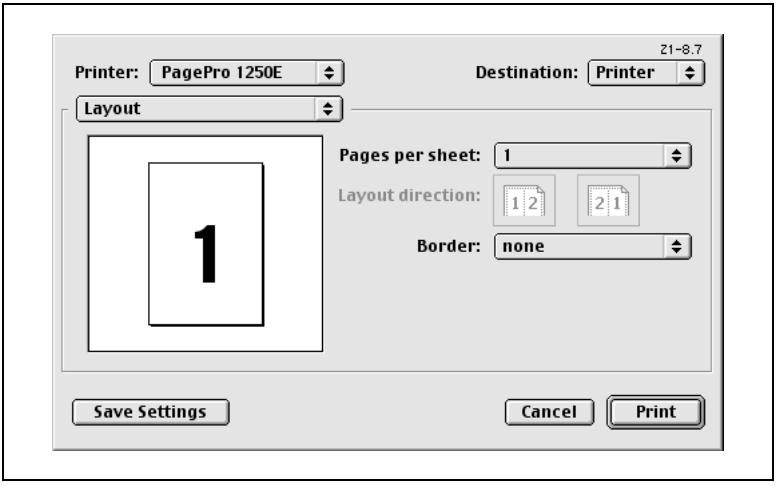
Select “All pages from” to print all pages of the document onto paper from the same tray.

Select “First page from” to print only the first page of a document onto paper from a specified tray.

To print the remaining pages of the document from a tray other than the “First page from:” tray, specify the appropriate tray from the “Remaining from:” options.

If the paper source is set to “Auto Select,” the printer automatically selects the paper source according to the specified paper size.

7.3 Layout settings



Pages per sheet

This setting allows you to print more than one page of your document on a single sheet of paper. From the drop-down list you can select 1, 2, 4, 6, 9, or 16.

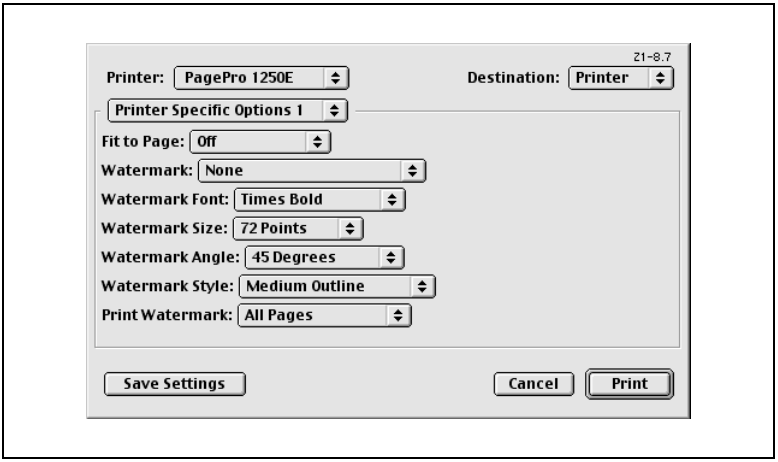
Layout direction

You can select how the multiple pages will be laid out on the single sheet of paper: right to left or left to right.

Border

You can also select the type of border that is placed between the multiple pages on the single sheet of paper.

7.4 Printer-Specific Options 1 settings



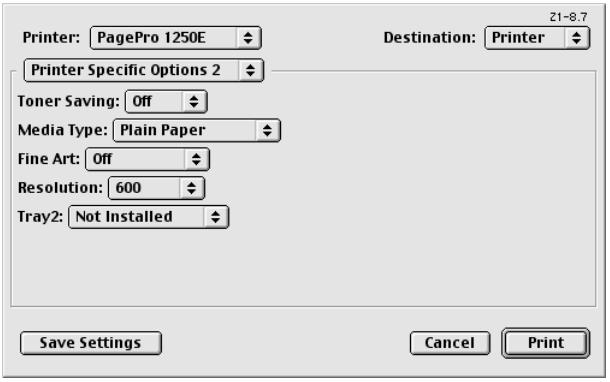
Fit to Page

The “Fit to Page” setting allows you to fit your document to a certain paper size when it is printed. Your document will be automatically enlarged or reduced so that it will fit on the paper size you have selected.

Watermark

Watermarks quickly alert the reader to the nature of a document’s content. You can select a watermark (such as Confidential or Draft,) and also specify several options that affect its style, content, and placement.

7.5 Printer Specific Options 2 settings



Toner Saving

Turning on this option uses less toner, but produces lighter printing.

Media Type

Use this drop-down list to specify the type of media you are printing on: Plain Paper, Transparency, Thick paper, Envelope, or Postcard.

Fine Art

The “Fine Art” settings allow you to optimize the print quality of the text and graphic images of a document.

Resolution

The “Resolution” setting determines the number of dots per inch used when a document is printed. Documents printed in higher resolution are sharper; however, they may take longer to print.

Tray 2

Set the "Tray2" setting to Installed if the optional lower feeder unit (Tray 2) is installed.

8 Working with the printer

8.1 Please note the following points

What should I watch out for when loading paper?

To avoid paper misfeeds, observe the following points:

- Do not use any paper with the following features:
  - Paper that has already been used in a thermal or ink-jet printer.
  - Creased or wavy paper.
  - Paper with a surface that is too smooth, too rough, or irregular.
  - Specially coated paper such as carbon paper or paper with an adhesive surface.
  - Paper that is not cut at right-angles.
  - Paper that is held together by glue, adhesive, or clips.
  - Paper with labels that detach easily.
  - Warped or curled-up postcards.
- Do not allow the stack of paper in the paper tray to exceed the media limit mark.

What should I watch out for when loading envelopes?

To avoid envelope misfeeds in the laser printer, observe the following points:

- Do not use self-adhesive envelopes or those with a tear-off strip, closures, or a window.
- Place the envelopes in the tray with the flap down and facing to the left.
- Make sure that the flaps are neatly folded back.

Test envelopes before buying large quantities!
Some types of envelopes crease easily when they are run through a printer. Test a brand of envelope before purchasing large quantities.

Which media sizes can I use?

This printer is designed for use only with these media sizes.

Media size	Media source		
	Tray 1	Tray 2* (optional)	Manual feed tray
Standard sizes			
Letter 8.5" x 11.0"	Yes	Yes	Yes
Legal 8.5" x 14.0"	Yes	Yes	Yes
Executive 7.25" x 10.5"	Yes	Yes	Yes
Half Letter 5.5" x 8.5"	Yes	No	Yes
A4 210 x 297 mm	Yes	Yes	Yes
A5 148 x 210 mm	Yes	No	Yes
B5 JIS 182 x 257 mm	Yes	Yes	Yes
Chinese 16K 185 x 260 mm	Yes	No	Yes
Chinese 32K 130 x 185 mm	Yes	No	Yes
Envelopes, postcards, and custom paper sizes			
Envelope Monarch 3.875" x 7.5"	Yes	No	Yes
Envelope COM10 4.125" x 9.5"	Yes	No	Yes
Envelope DL 110 x 220 mm	Yes	No	Yes
Envelope C5 162 x 229 mm	Yes	No	Yes
Envelope C6 114 x 162 mm	Yes	No	Yes
Envelope B5 176 x 250 mm	Yes	No	Yes
Choukei-3Gou 120 x 235 mm	Yes	No	Yes
Choukei-4Gou 90 x 205 mm	Yes	No	Yes
Postcard 100 x 148 mm	Yes	No	Yes
Custom 3.0"–8.5" x 5.0"–14.0" (76–216 mm x 127–356 mm)	Yes	No	Yes

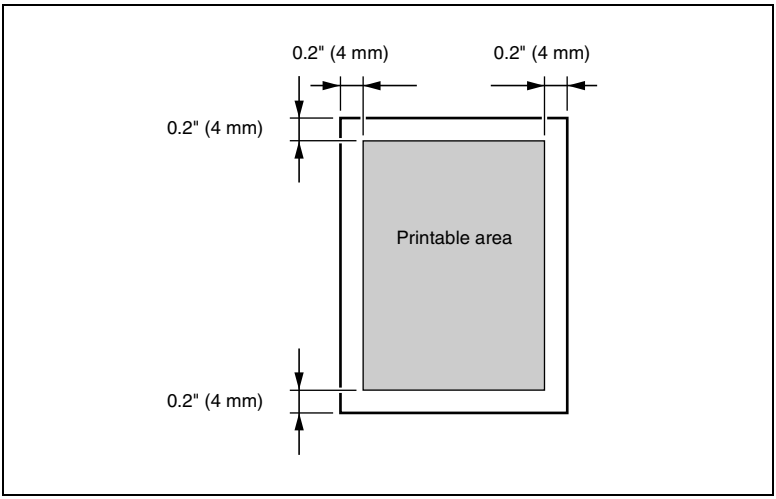
* The optional lower feeder unit (Tray 2) is shipped with either a letter or A4 tray. Legal and executive/B5 JIS trays are available as optional accessories.

What types of media can I use?

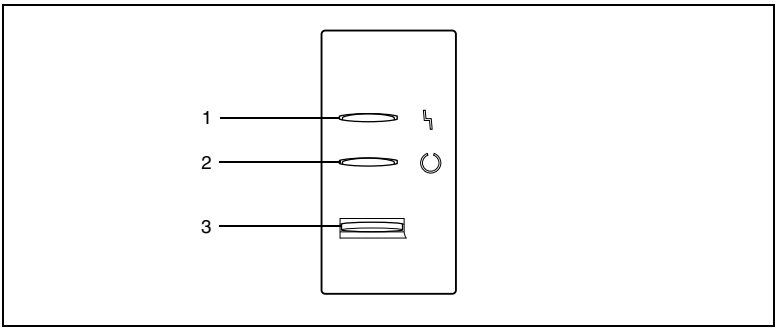
This printer is designed for use with the following media types.

Media type	Media source		
	Tray 1	Tray 2 (optional)	Manual feed tray
Plain paper 16–24 lbs (60–90 g/m^2)	Yes	Yes	Yes
Thick paper 24–43.25 lbs (90–163 g/m^2)	Yes	No	Yes
Envelopes	Yes	No	Yes
Letterhead	Yes	No	Yes
Postcard	Yes	No	Yes
Transparencies	Yes	No	Yes

Printable area



8.2 Using the panel button



The control panel has two indicators and one button.

No.	Description	No.	Description
1	Error indicator (orange)	3	Panel button
2	Ready indicator (green)		

The panel button allows you to

- Print special pages (configuration page, PCL font list, PostScript font list)
- Continue a print job after an error message
- Cancel a print job
- Reset the counter

Printing special pages

1 Make sure that

- ❍ The green “Ready” indicator is on (but not blinking)
- ❍ The orange “Error” indicator is off

2 Briefly press the panel button.

All indicators blink rapidly.

3 Press the panel button again:

Press the panel key this many more times...	to print this special page
2	Configuration page
3	PCL font list
4	PostScript font list

Continuing a print job after an error message

You can continue the print job after correcting the following types of errors:

- ✔ When the print job is too complex and the memory capacity of the printer is inadequate
- ✔ When there is no more paper in the trays
- ✔ When paper of a different format than that set in the printer driver was fed into the printer

1 Check that one of the above errors has occurred.

2 Press the panel button to operate the media feed.

The print job continues.

...

Check your printed document!
If you have continued a print job after an error message, be sure to check your printed document. Not all pages may have printed.

Cancelling a print job

You can cancel a print job that is currently being processed.

1 While data is being processed or printed (the green “Ready” indicator is blinking), hold down the panel button for more than 5 seconds.

2 Release the panel button after both indicators light up.

The current print job has now been cancelled.

8.3 Loading media

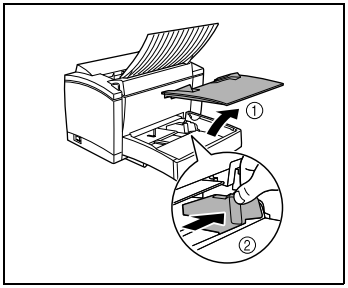
Loading media in Tray 1

Note the following points:

- ✔ Refill the tray only when it is completely empty.
- ✔ Refer to the advice on loading media on page 8-1.

1 Remove the tray cover.

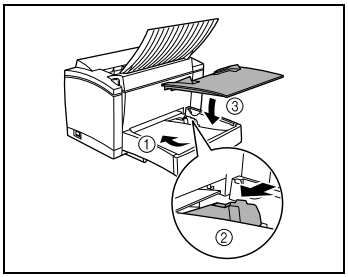
2 Squeeze the right media guide and open the media guides.



3 Place the media in the tray.

? *How many sheets of paper may I place on the tray?*

➜ Tray 1 has a capacity of 250 sheets of plain paper. The stack of paper should not rise above the media limit mark.



? *How is letterhead fed in?*

➜ Load letterhead with the side to be printed facing up and the preprinted letterhead at the top (facing the printer).

? *What if I am loading legal-size paper?*

➜ Open the cover at the front of the tray.

4 Squeeze the right media guide and adjust the media guides so that both the left and right sides of the media are secure.

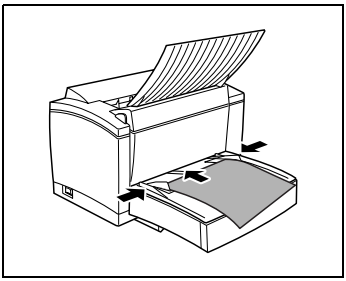
5 Replace the tray cover.

Loading media in the manual feed tray

1 Make sure that the tray cover is properly attached to Tray 1.

2 Open the media guides.

3 Insert the piece of media as far as possible into the manual feed tray (with the side to be printed facing up).



? *How many pieces of media can be fed at one time?*

➜ Insert only one sheet of paper or type of media at a time.

? *How are envelopes fed in?*

➜ Place the envelope in the tray with the side to be printed facing up. The flap of the envelope should be facing down and to the left.

? *How is letterhead fed in?*

➜ Load letterhead with the side to be printed facing up and the pre-printed letterhead at the top (facing the printer).

4 Adjust the media guides so that both sides of the media are secure.

Loading media in the lower feeder unit (Tray 2)

Note the following points:

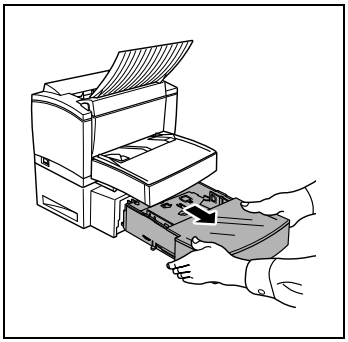
✔ The optional lower feeder unit (Tray 2) is shipped with either a letter or A4 tray. Legal and executive/B5 JIS trays are also available as optional accessories.

✔ Refill the tray only when it is completely empty.

✔ Paper must be loaded short edge first.

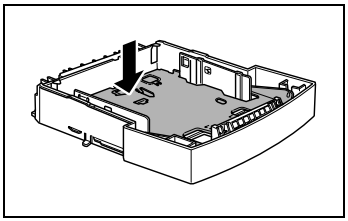
✔ Refer to the advice on loading media on page 8-1.

1 Remove the tray 2 from the lower feed unit by pulling it out as far as it will go, gently raising up the front, and sliding it the rest of the way out.



2 Remove the cover from the tray.

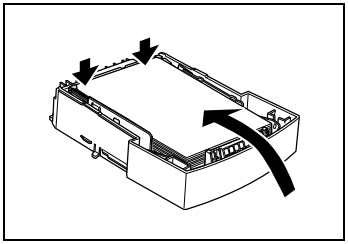
3 Press down on the paper lifting plate until it locks into place.



4 Place a stack of paper into the tray.

? *How many sheets of paper may I place on the tray?*

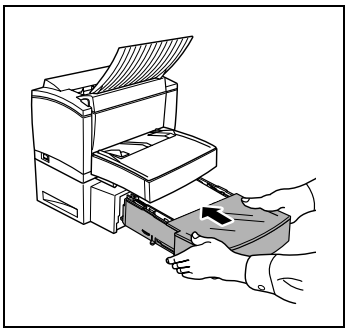
➜ Tray 2 has a capacity of 500 sheets of plain paper. The stack of paper should not rise above the media limit mark.



? *How is letterhead fed in?*

➜ Load letterhead with the side to be printed facing up and the pre-printed letterhead at the top (facing the printer).

5 Replace the tray cover and insert the tray into the lower feeder unit.



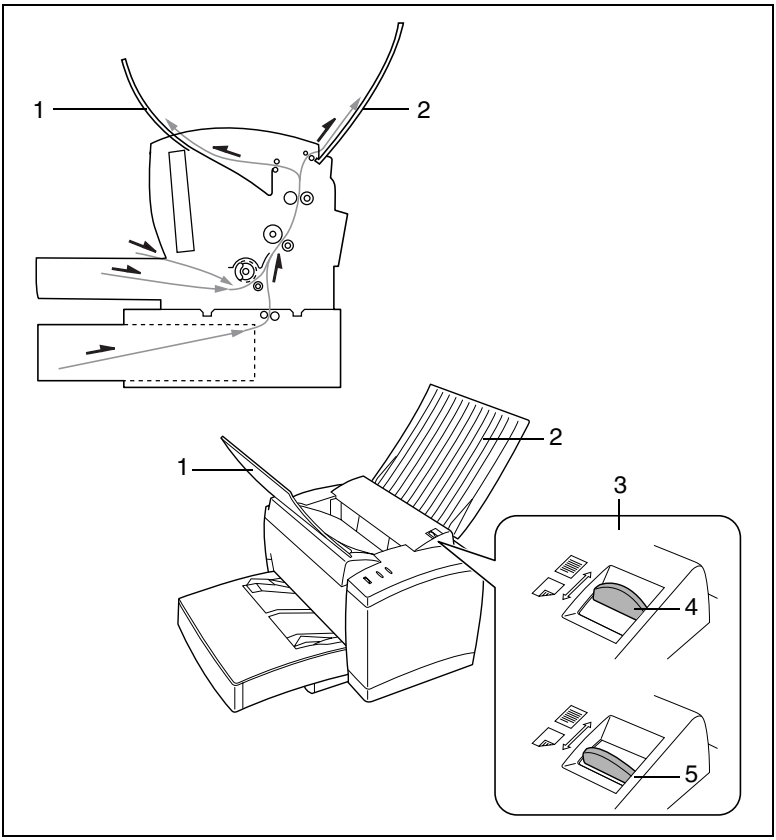
8.4 Determining the direction of printed sheets

Printed sheets can be output in two ways:

- Face down
- Face up

The printer is fitted with a tray for face-down output. A tray for face-up output is available as an option. This tray is especially suitable for thick paper and envelopes because the path through the printer is straighter.

The face-down output tray can hold up to 100 sheets while the optional face-up output tray holds 20 sheets.



No.	Description	No.	Description
1	Face-down output tray	4	Output switch location for face-up output
2	Face-up output tray	5	Output switch location for face-down output
3	Output switch		

Note the following points:

- ✔ Do not change the output direction while a print job is in progress.
- ✔ Make sure that the output switch is in the correct position when the optional face-up output tray is not installed.

9 Installing printer options

The following options are available for your printer:

- Lower feeder unit (Tray 2, 500-sheet capacity)
- Legal and exective/B5 JIS trays for the lower feeder unit
- Face-up tray
- SDRAM DIMM (Dual In-line Memory Module)

9.1 Installing the lower feeder unit (Tray 2)

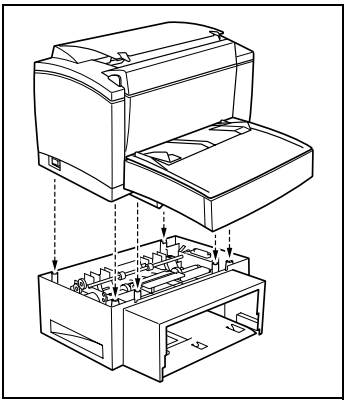
The lower feeder unit can hold up to 500 sheets of plain paper. It is supplied with either a letter (US) or A4 (Europe) tray (Tray 2).

1 Remove the lower feeder unit from its carton, and then remove the plastic bag and all shipping materials.

2 Turn the printer off, and then disconnect the power cord and interface cable from the printer.

3 Place the printer onto the lower feeder unit.

❍ Make sure to align the holes on the bottom of the printer with the coupling pins on the lower feeder unit.



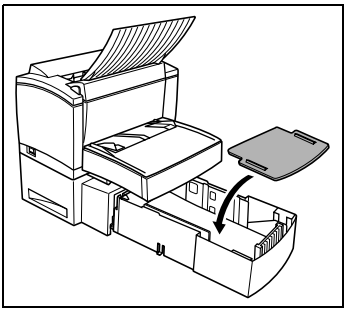
4 Fill the tray with paper. (For details see chapter 8.)

? *How many sheets of paper may I place on the tray?*

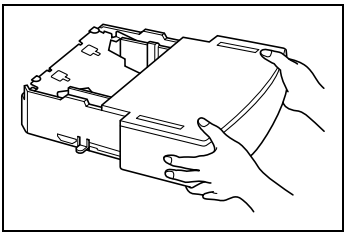
→ Tray 2 has a capacity of 500 sheets of plain paper. The stack of paper should not rise above the media limit mark.

5 Replace the tray cover.

6 Insert the tray into the lower feeder unit.



❍ Be sure to use both hands whenever you are inserting the tray into or removing it from the lower feeder unit.



7 Reconnect the power cord and interface cable, and turn on the printer.

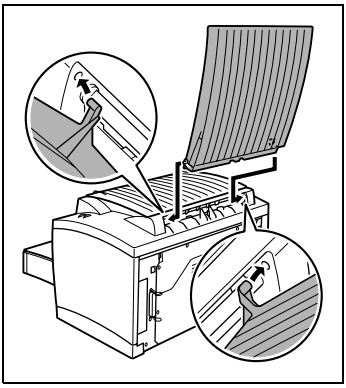
9.2 Installing the face-up tray

The printer is fitted with a tray for face-down output. A tray for face-up output is available as an option. This tray is especially suitable for thick paper and envelopes because the path through the printer is straighter. The face-up output tray holds 20 sheets.

1 Remove the face-up output tray from its carton.

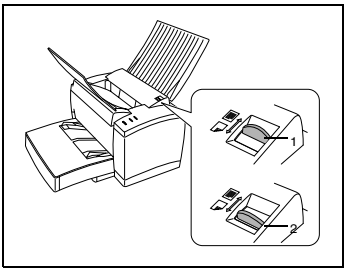
2 Attach the face-up output tray by inserting the pins into the holes on the printer, one side at a time. Do not force both sides in at the same time.

- ❍ The face-up tray must be bent slightly to insert it.



...

Face-up or face-down output?
You can set the output direction with the output switch. (For details see chapter 8.)



No.	Description
1	Output switch location for face-up output
2	Output switch location for face-down output

9.3 Installing a DIMM (Dual In-Line Memory Module)

This printer is shipped with 16 MB of memory. However, printer memory can be expanded to a maximum of 144 MB by installing commercially available PC/100-compatible SDRAM DIMMs (64 MB or 128 MB).

CAUTION

Your DIMM could be destroyed!

- ➜ DIMMs are very sensitive. Handling them improperly can damage them and render them unusable.
- ➜ Before you unpack a DIMM, touch a metal part of the printer to discharge the static electricity from you.
- ➜ Hold the DIMM only by the edges.
- ➜ Avoid touching the DIMM connections.
- ➜ Always place the DIMM on an anti-static mat when working with it.
- ➜ Do not touch any printed circuit boards in the printer.

WARNING

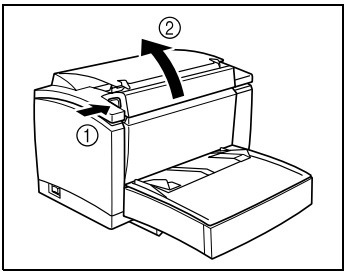
Risk of electric shock!
The printer contains electrical parts.

- ➜ Always turn the printer off and unplug it before installing a DIMM.
- ➜ When installing a DIMM, follow the instructions exactly.
- ➜ Remove only the printer covers which are specifically referred to in the step-by-step instructions.

1 Turn the printer off and disconnect the power cord and the interface cable from the printer.

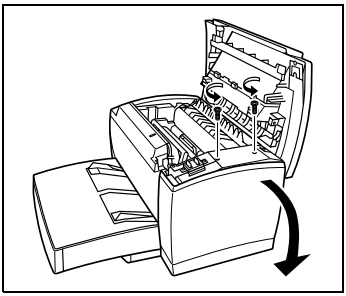
2 Close the face-down output tray.

3 Press the top cover release button and open the top cover.



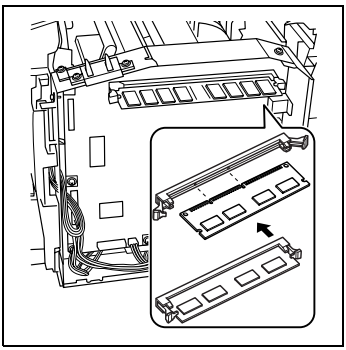
4 Facing the right side of the printer, use a Phillips screwdriver to remove the two screws holding the side cover in place.

5 Remove the side cover by pulling it toward you.



6 Insert the DIMM in the slot.

- Press the DIMM carefully into the socket until it snaps into place.

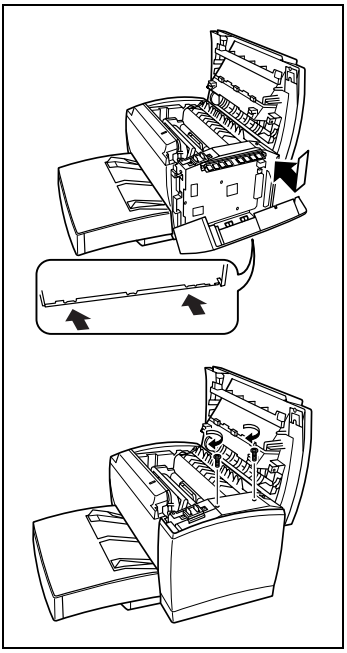


...

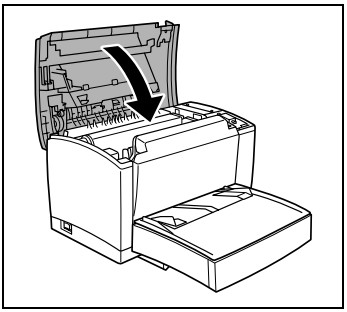
Would you like to remove a DIMM?

To remove a DIMM, press the tabs on both sides of the installation slot outwards. This releases the DIMM and allows you to remove it.

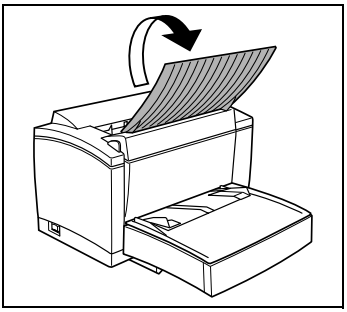
7 Replace the side cover and secure it with the two screws.



8 Close the top cover.



9 Open the face-down output tray.



10 Enter the printer's new total memory capacity in the printer driver (see the printer driver's online help).

11 Print a configuration page (see chapter 8).

The new total memory capacity should be shown correctly.

? *Is the total amount of memory displayed correctly? If not,*

➜ Ensure that the DIMMs were installed correctly.

➜ Ensure that the correct total memory was entered in the printer driver.

10 Maintaining the printer

CAUTION

You could damage the unit by using incorrect accessories and parts!
If you use accessories and parts from manufacturers other than MINOLTA-QMS, we cannot guarantee that the laser printer will operate properly.

➔ Use only MINOLTA-QMS accessories and parts unless specified otherwise.

WARNING

Toner poses a health hazard!
Toner is harmful if swallowed.

➔ If you swallow toner, consult a doctor immediately.

➔ If you get toner on your hands, wash them immediately with cold water and soap.

10.1 Replacing the toner cartridge

Replace the toner cartridge when it is empty or when the printed documents are too light.

Two toner cartridges are available:

- The regular toner cartridge has a capacity of about 3000 letter/A4 pages at about 5% toner coverage.
- The high-capacity toner cartridge has a capacity of about 6000 letter/A4 pages at about 5% toner coverage.

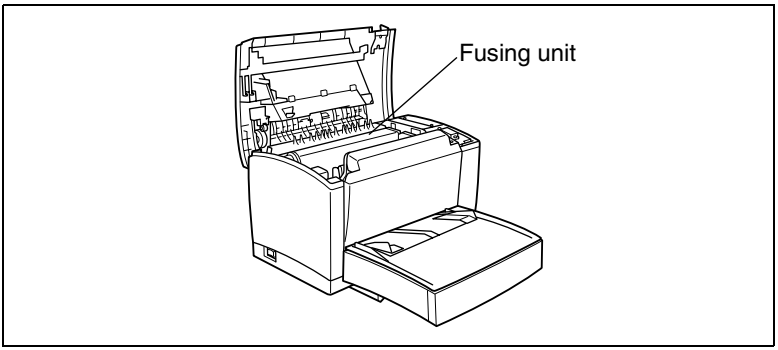
...

Note:
The toner cartridge that comes with the printer has a capacity of about 1500 letter/A4 pages at about 5% toner coverage.

WARNING

The fusing unit can become very hot!
The fusing unit, which is located beneath the top cover, can become very hot when the printer is in operation.

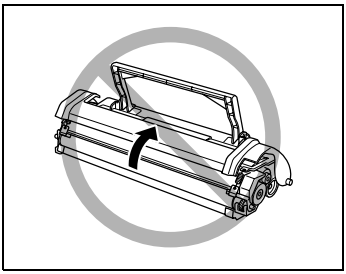
➔ To prevent injuries, avoid contact with this area.



...

What precautions should I take when handling the toner cartridge?

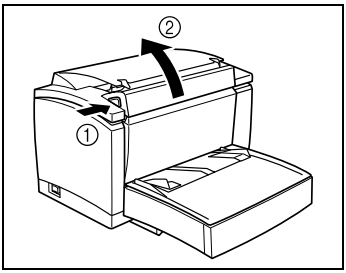
Never touch the developing roller under the flap; otherwise, print quality may decline.



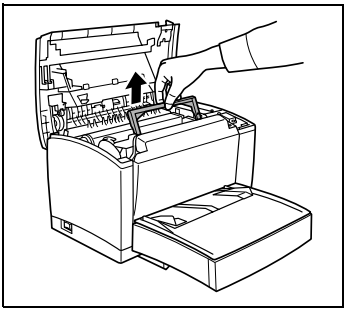
1 Turn off the printer and disconnect the power cord from the printer.

2 Close the face-down tray.

3 Press the top cover release button and open the top cover.

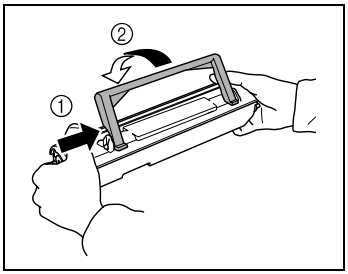


4 Remove the old toner cartridge.



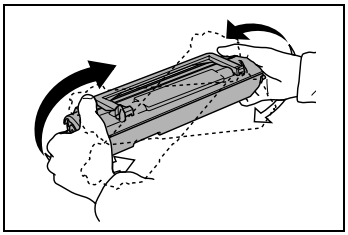
5 Press in the marked positions of the handle to fold down the handle.

- Dispose of the used toner cartridge properly.

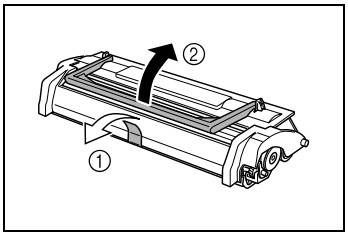


6 Remove the new toner cartridge from its package.

7 Holding it firmly with both hands, rock the toner cartridge left and right, forward and backward, to distribute the toner evenly.

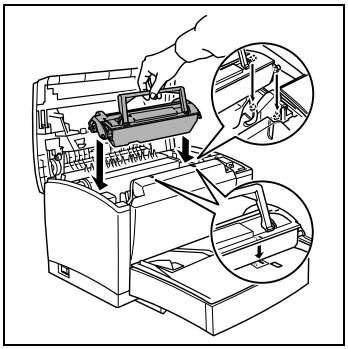


8 Completely remove the protective seal from the toner cartridge, and then raise up the handle.

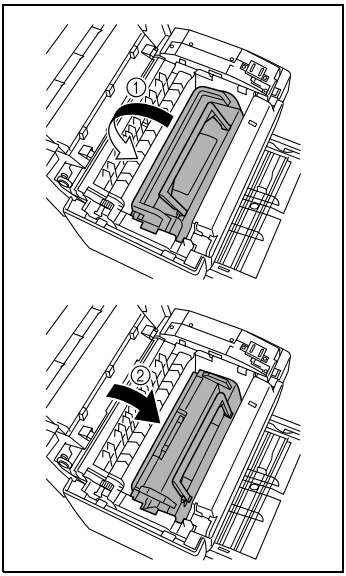


9 Holding the handle, lower the toner cartridge into the printer, aligning the four pins (two on each side) with the grooves inside the printer.

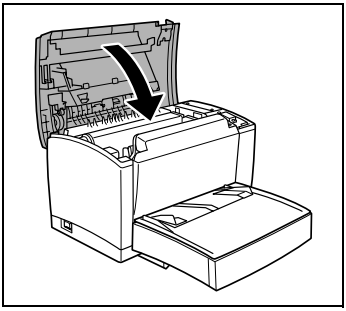
- Color coordinated “2” labels have been affixed to the toner cartridge and to the inside of the printer. Install the toner cartridge by aligning these labels.



❍ The toner cartridge clicks into place when it is completely installed.



10 Close the top cover and press it down gently but firmly until it locks into place.



Resetting the counter for the toner cartridge

After you have replaced the toner cartridge, reset the counter for the toner cartridge.

...

The counter can also be reset via the Counter tab in the Printer Control Panel!
See chapter 6 or the Printer Control Panel's online help.

1 Turn off the printer.

2 While holding down the panel button, turn on the printer.

The green “Ready” indicator begins to blink.

3 Continue holding down the panel button, and the green “Ready” indicator starts to blink.

4 After the green “Ready” indicator has blinked for about 5 seconds, release the panel button.

Both indicators begin to blink.

5 After confirming that both indicators are blinking, press and hold down the panel button again for at least 5 seconds.

Both indicators light up for about 5 seconds, and then both indicators begin to blink again.

The counter for the toner cartridge has now been reset.

6 Turn the printer off and then on again.

Once the green “Ready” indicator remains on, the printer is again in Stand-by mode.

10.2 Replacing the drum cartridge

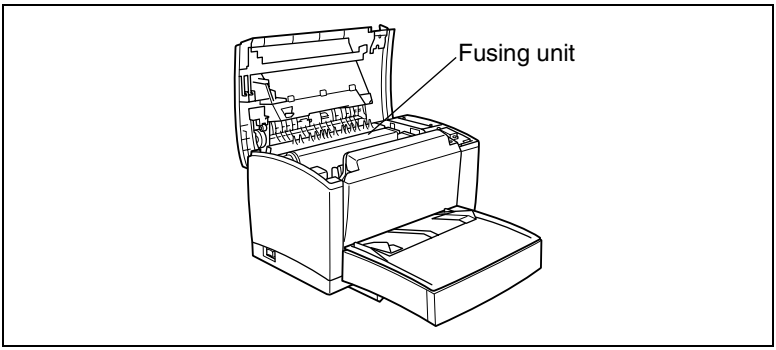
Change the drum cartridge when the printed documents become faint or blurred.

The drum cartridge has a capacity of about 16,000 (one-page jobs) to 20,000 (continuous printing) letter/A4 pages (at an average of 5% or less coverage).

WARNING

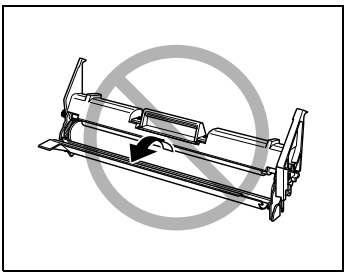
The fusing unit can become very hot!
The fusing unit, which is located beneath the top cover, can become very hot when the printer is in operation.

➔ To prevent injuries, avoid contact with this area.



...

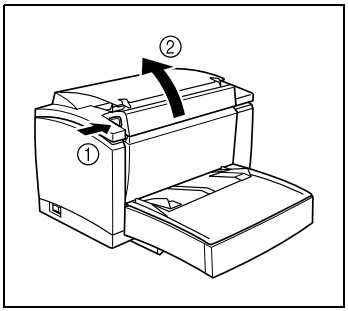
What precautions should I take when handling the drum cartridge?
Never touch the drum under the flap; otherwise, print quality may decline.



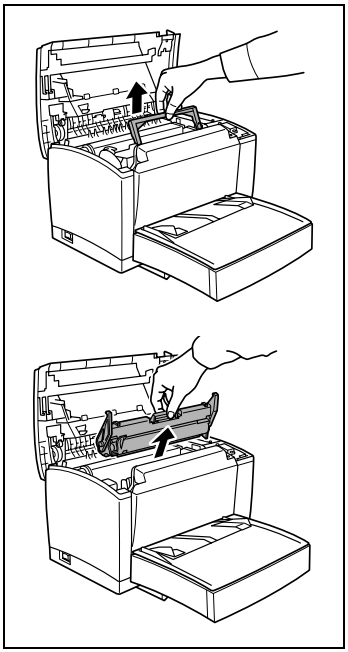
1 Turn off the printer and disconnect the power cord.

2 Close the face-down tray.

3 Press the top cover release button and open the top cover.



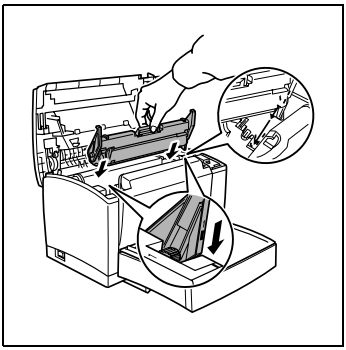
4 Remove the toner cartridge and the old drum cartridge.



5 Remove the new drum cartridge from its carton.

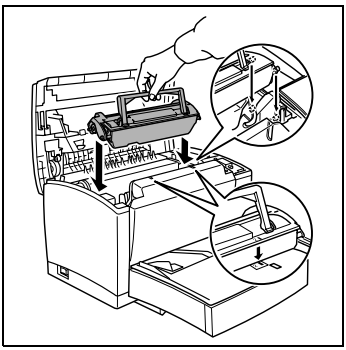
6 Install the drum cartridge in the printer, aligning the guides of the cartridge with the grooves inside the printer.

- Color coordinated “1” labels have been affixed to the drum cartridge and to the inside of the printer. Install the drum cartridge by aligning these labels.

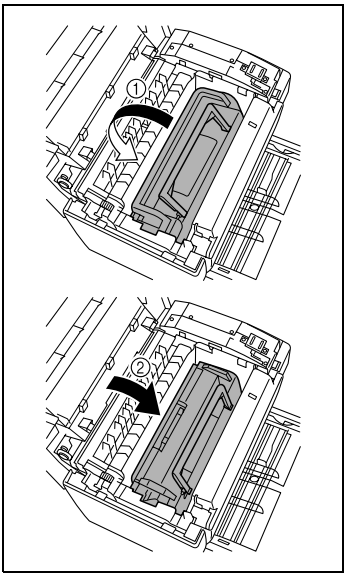


7 Place the toner cartridge back into the printer, aligning the four pins (two on each side) with the grooves inside the printer.

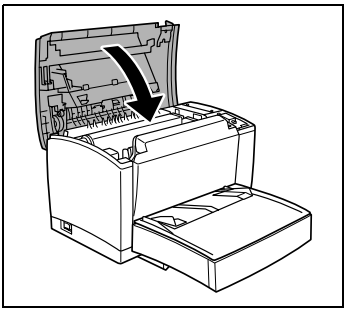
- Color coordinated “2” labels have been affixed to the toner cartridge and to the inside of the printer. Install the toner cartridge by aligning these labels.



- The toner cartridge clicks into place when it is completely installed.



8 Close the top cover and press it down gently but firmly until it locks into place.



Resetting the counter for the drum cartridge

After you have replaced the drum cartridge, reset the drum cartridge counter.

...

The counter can also be reset via the Counter tab in the Printer Control Panel!
See chapter 6 or the Printer Control Panel's online help.

1 Turn off the printer.

2 While holding down the panel button, turn on the printer.

The green "Ready" indicator begins to blink.

3 Continue holding down the panel button, and the green "Ready" indicator starts to blink.

4 After the green "Ready" indicator has blinked for about 5 seconds, release the panel button.

Both indicators begin to blink.

5 After confirming that both indicators are blinking, briefly press the panel button.

Both indicators light up for about 5 seconds, and then both indicators begin to blink.

The counter for the drum cartridge has now been reset.

6 Turn the printer off and then on again.

Once the green "Ready" indicator remains on, the printer is again in Stand-by mode.

10.3 Cleaning the printer

Clean the printer at regular intervals to prevent dust, dirt ,and paper residue from accumulating in and on the printer.

Cleaning the outside of the printer

1 Turn off the printer and disconnect the power cord.

2 Wipe the outside of the printer with a soft cloth. You may moisten the cloth with a little neutral household cleaner.

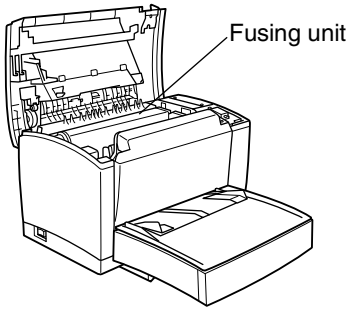
Cleaning the paper feed roller

Clean the paper feed roller if media feed problems occur frequently.

WARNING

The fusing unit can become very hot!
The fusing unit, which is located beneath the top cover, can become very hot when the printer is in operation.

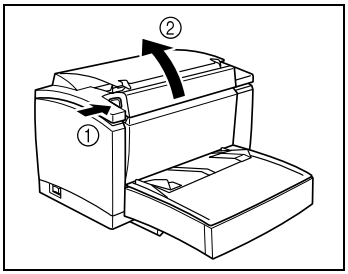
- ➜ To prevent injuries, avoid contact with this area.
- ➜ After turning off the printer, wait at least 10 minutes before cleaning the inside of the printer.



1 Turn off the printer and disconnect the power cord.

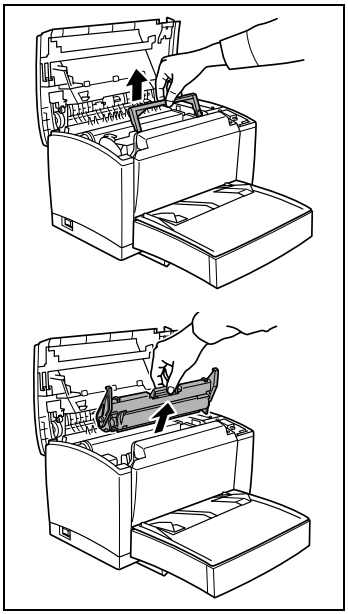
2 Close the face-down tray.

3 Press the top cover release button and open the top cover.

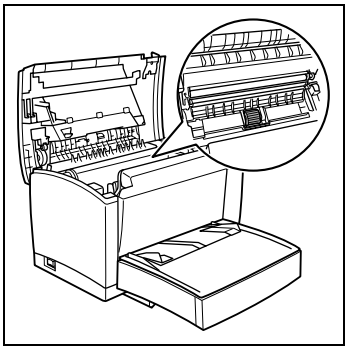


4 Remove the toner cartridge and the drum cartridge.

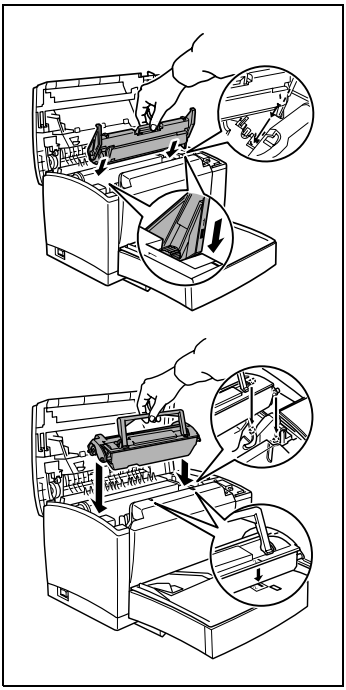
Wrap the drum cartridge with a cloth to protect it from exposure to light.



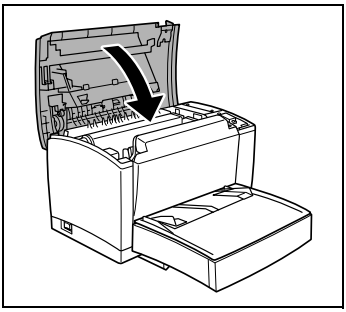
5 Wipe the paper feed roller with a soft, dry cloth.



6 Reinstall the drum cartridge and the toner cartridge.



7 Close the top cover and press it down gently but firmly until it locks into place.

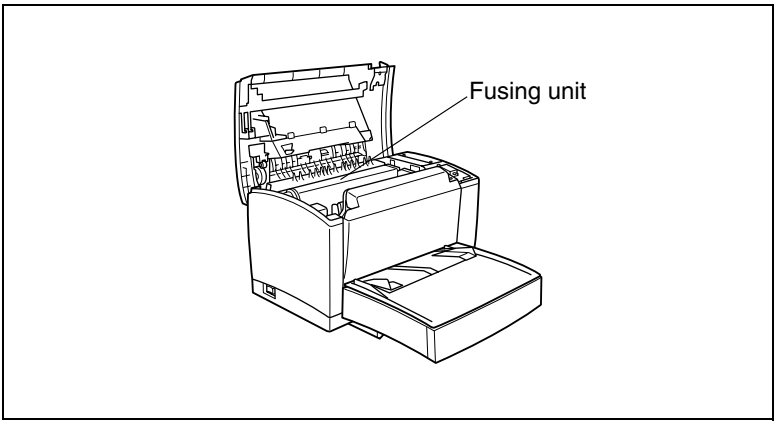


11 Troubleshooting

WARNING

The fusing unit can become very hot!
The fusing unit, which is located beneath the top cover, can become very hot when the printer is in operation.

➔ To prevent injuries, avoid contact with this area.



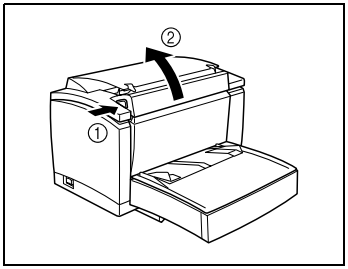
11.1 Clearing media jams

Clearing a media jam inside the printer

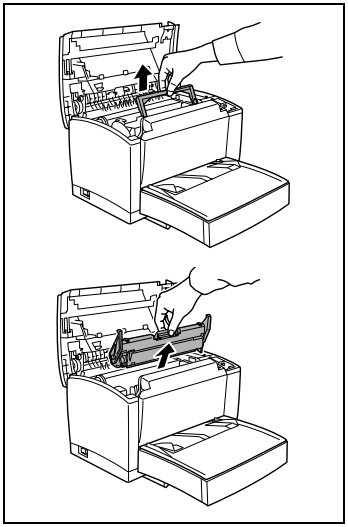
1 Turn off the printer.

2 Close the face-down tray.

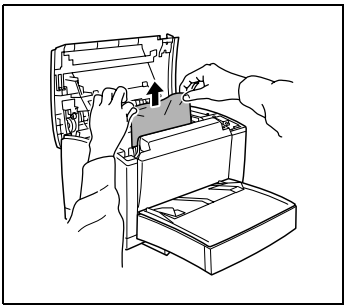
3 Press the top cover release button, and then open the top cover.



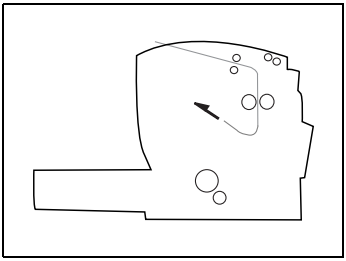
4 Remove the toner cartridge and the drum cartridge.



5 Carefully pull the misfed media out of the printer.



❍ If paper is misfed at the fusing unit, grasp the bottom of the paper and pull it out.



6 Reinstall the drum cartridge.

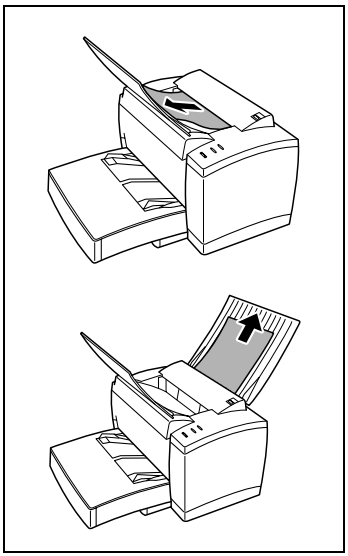
7 Reinstall the toner cartridge.

8 Close the top cover, and then open the face-down tray.

❍ Printing automatically restarts from the page that was misfed.

Clearing a media jam in the output tray

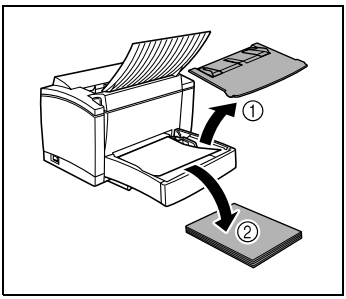
1 Carefully pull the misfed media out of the tray.



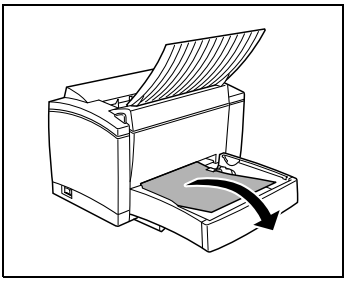
2 Open the top cover and close it again in order to reset the printer.

Clearing a media jam at Tray 1

1 Remove the tray cover and any media in Tray 1.



2 Carefully pull the misfed media out of Tray 1.



3 Reload the media in Tray 1, and replace the tray cover.

- Do not reload curled or wrinkled media.

4 Reinstall Tray 1 in the printer.

5 Close the face-down tray, and then open the top cover.

6 Remove any pieces of media that may have torn off or are remaining in the printer.

7 Close the top cover, and then open the face-down tray.

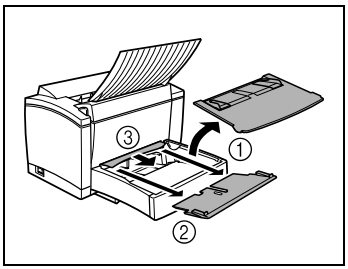
8 Open the top cover and close it again in order to reset the printer.

- Printing automatically restarts from the page that was misfed.

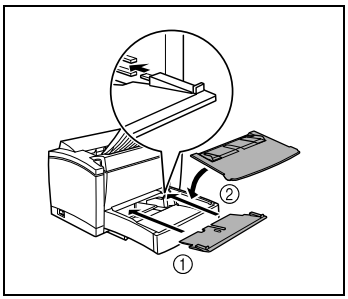
Clearing a media jam in the manual feed tray

1 Remove the Tray 1 cover and the plate at the inlet of the manual feed tray.

2 Remove the misfed media.

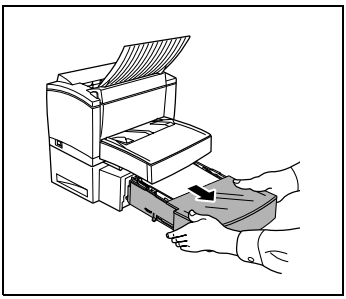


3 Reinstall the plate at the inlet of the manual feed tray and the Tray 1 cover.

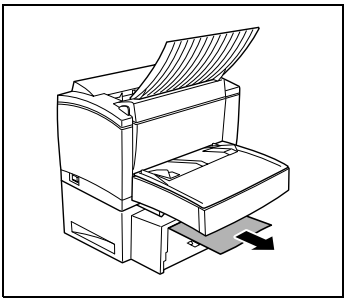


Clearing a media jam in the lower feeder unit (Tray 2)

1 Slide the tray out of the lower feeder unit.



2 Remove any folded or misfed media from the inside of the lower feeder unit.

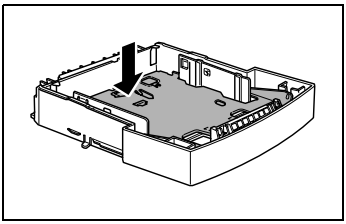


3 Remove the tray cover and any media in the tray.

4 Carefully pull the misfed media out of the tray.

5 Reload the media in the tray.

- Make sure the paper is evenly aligned and that the top sheet is below the maximum paper mark.
- Do not reload curled or wrinkled media.



6 Replace the tray cover and insert the tray into the lower feeder unit.

7 Open the printer's top cover and close it again in order to reset the printer.

- Printing automatically restarts from the page that was misfed.

11.2 General printing problems

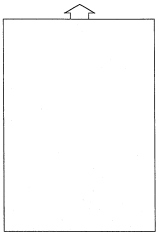
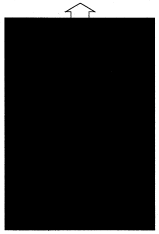
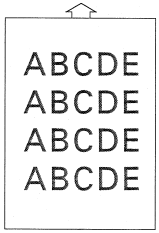
Problem	Possible cause	Action
No output	The printer is not connected to the power supply, or the cable is not connected to the printer.	Check the power connection and the interface connection to the printer.
	The printer is not turned on.	Turn on the printer.
	You are using the wrong type of interface cable.	Check whether the interface cable type conforms to the specifications (see chapter 12).
	The computer's communication port settings are not correct for your printer.	Check the computer's communication port settings. Refer to the documentation that comes with your computer and check if its current communication port settings are correct.
	The parallel port on your computer is also being used for other equipment (for example, a scanner or ZIP drive).	Disconnect the other equipment and operate the printer via this port.

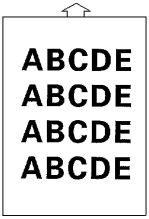
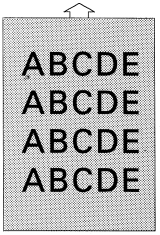
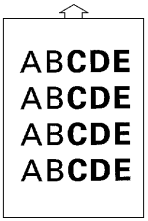
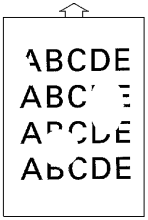
Further information and assistance...
can be found on the Internet at www.minolta-qms.com/support

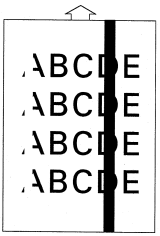
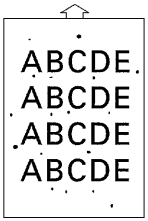
11.3 Print quality problems

If you are having problems with print quality, follow these steps:

- Remove the toner cartridge and shake it back and forth carefully to distribute the remaining toner evenly.
- Remove the toner cartridge and check it for damage. If necessary, replace it with a new cartridge. (See chapter 10.)
- Remove the drum cartridge and check it for damage. If necessary, replace it with a new cartridge. (See chapter 10.)
- Clean the inside of the printer. (See chapter 10.)
- Deactivate the Toner Save feature in the printer driver. (See chapter 4.)

Problem	Possible cause	Action
Blank pages 	The toner cartridge is empty or damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)
Black pages 	The toner cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)
Pages are too light 	The Toner Save mode has been activated.	Check the setting in the printer driver. Change the setting and try printing again. (See chapter 4.)
	The toner density is not set correctly in the printer driver.	Set the toner density to the desired level and try printing again. (See chapter 4.)
	The toner cartridge may be running out of toner.	Remove the toner cartridge and rock it in order to improve the distribution of the remaining toner. If the problem persists, replace the toner cartridge. (See chapter 10.)
	The toner cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)

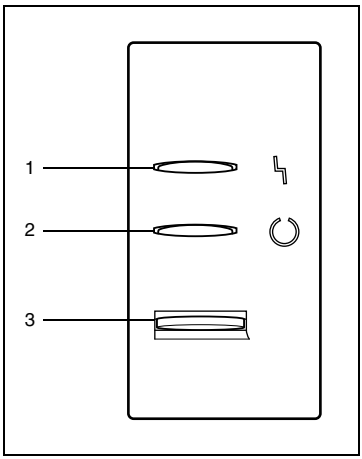
Problem	Possible cause	Action
Pages are too dark 	The toner cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)
	The toner density is not set correctly in the printer driver.	Set the toner density to the desired level. (See chapter 4.)
Blurred background 	The toner cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)
Uneven toner density 	The toner cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)
	The drum cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the drum cartridge. (See chapter 10.)
	The toner may be unevenly distributed inside the toner cartridge.	Remove the toner cartridge and rock it in order to improve the distribution of the remaining toner. If the problem persists, replace the toner cartridge. (See chapter 10.)
Blank spots, text missing 	The paper is moist because of high humidity in the air or from being splashed with water.	Replace the paper you are using with dry paper and try printing again.

Problem	Possible cause	Action
White or black lines 	The toner cartridge is damaged (white lines). The drum cartridge is damaged (black lines).	Remove the toner cartridge/ drum cartridge and check it for damage. If necessary, replace the toner cartridge/drum cartridge.
Toner smudges 	The toner cartridge is damaged.	Remove the toner cartridge and check it for damage. If necessary, replace the toner cartridge. (See chapter 10.)
	The toner may be unevenly distributed inside the toner cartridge.	Remove the toner cartridge and rock it in order to improve the distribution of the remaining toner. If the problem persists, replace the toner cartridge. (See chapter 10.)
	The paper feed roller is dirty.	Clean the paper feed roller. (See chapter 10.)

11.4 Printer messages

Indicator functions

The control panel has two indicators and one button. The control panel indicators provide information on the status of the printer.



No.	Description
1	Error indicator (orange)
2	Ready indicator (green)
3	Panel button

The indicators have five types of signals:

- Off
- On
- Slow blinking—1 blink every 2 seconds
- Blinking—1 blink per second
- Rapid blinking—2 blinks per second

Status messages

Status messages indicate the current condition of the printer.

Ready indicator (green)	Error indicator (orange)	Printer condition	Action
Off	Off	Off	None
On	Off	Ready to print	None
Rapid blinking	Off	Warming up	None
Blinking	Off	Receiving data	None
		Processing data	
		Printing	
On	On	Initializing	None
		Cancelling a print job	
		Resetting a counter	
Slow blinking	Off	Power save mode	None
Rapid blinking	Rapid blinking	Reset mode	None
		Demo page/Configuration page select mode	

Error messages

These messages indicate errors which you must correct before a print job can continue or the printer status returned to “Ready.”

Ready indicator (green)	Error indicator (orange)	Printer condition	Action
Blinking	Blinking	Memory overflow or print job is too complex. If the “Auto Continue” function has been activated in the printer tools, the sheet already fed in is automatically ejected after a predetermined time. (See chapter 6.)	Expand the printer’s memory capacity (DIMMs) or reduce the size of the print job.

Ready indicator (green)	Error indicator (orange)	Printer condition	Action
Rapid blinking alternately		No media in the tray specified in the printer driver.	Load media into the appropriate tray.
		Paper size error	Load paper with the appropriate size into the paper feed tray.
		Waiting for paper to be loaded into Tray 1 during manual duplex printing.	Correctly load paper printed on one side, with the blank side facing up, into Tray 1. (Note: You cannot duplex from the manual feed tray.)
Off	Slow blinking	Tray empty	Load media into the appropriate tray.
Off	Blinking	Media jam	Clear the jam and then continue with the print job.
Off	On	Top cover is open	Close the top cover

Service message

This message indicates a serious fault that can be corrected only by an authorized service technician. If this message is signalled, turn the printer off and then on again. If the problem persists, contact your vendor or authorized service provider.

Ready indicator (green)	Error indicator (orange)	Condition	Action
Off	Rapid blinking	Fatal error	Turn the printer off, then on again. If the problem persists, contact your technical customer service.

12 Specifications

12.1 Safety specifications

Printer		
Safety standards	U.S. model: European model: China model:	UL 60950, CSA C22.2 No. 60950 EU Directive 73/23/EEC EN 60950 (IEC 60950) GB 4943
EMC standards	U.S. model: European model: China model: Australian model:	FCC part 15 subpart B class B ICES-003 EU Directive 89/336/EEC EN 55022 (CISPR Pub. 22) class B EN 61000-3-2 EN 61000-3-3 GB 9254 class B AS/NZS 3548 class B

12.2 Technical specifications

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To check on the availability of third-party options, such as an Ethernet network adapter...

go to www.minolta-qms.com/products

Printer

Type	Desktop laser beam printer
Print system	Electrostatic dry powder imaging system
Exposure system	Laser diode + polygon mirror scanning
Developing system	Electrophotographic printing system
Resolution	1200 dpi × 1200 dpi (at half speed), 600 dpi × 600 dpi
Rasterize method	PCL 6 and PostScript Level 2 emulation
Print speed	600 dpi: 16 pages per minute (Letter/A4) 1200 dpi:8 pages per minute (Letter/A4)
First print	600 dpi: Within 15 seconds (Letter/A4) 1200 dpi:Within 24 seconds (Letter/A4)
Warm-up time	7 seconds or less
Media sizes	• Paper—Letter, Legal, Executive, Half Letter, A4, A5, B5 JIS, Chinese 16K, Chinese 32K, custom paper sizes • Envelopes—Commercial 10, Monarch, DL, C5, C6, B5, Choukei-3Gou and Choukei-4Gou • Postcard

Paper/Media	• Plain paper (16 to 24 lbs; 60 to 90 g/m^2) • Transparencies • Envelopes • Thick paper (24 to 43 lbs; 90 to 163 g/m^2) • Postcard
Paper feeding	• Tray 1 (Universal tray) • Manual feed tray • Lower feeder unit (Tray 2) (Option)
Input capacity	• Tray 1 (Universal tray): 250 sheets • Manual feed tray: 1 sheet • Lower feeder unit (Option): 500 sheets
Output capacity	• Face-down tray: 100 sheets • Face-up tray (Option): 20 sheets
Operating temperature	50° to 95°F (10° to 35°C) (with fluctuation of 18°F (10°C) per hour)
Operating humidity	15 to 85 % (with fluctuation of 20% per hour)
Drum cartridge	20,000 Letter/A4-size prints with a black-to-white ratio of 5% or more.
Toner cartridge	6,000 (type 1) or 3,000 (type 2) Letter/A4-size prints with a black-to-white ratio of 5% or more. The enclosed cartridge is for 1,500 prints.
Power supply	110-127V, 50-60Hz 220-240V, 50-60Hz
Power consumption	120V: 840W or less 220-240V: 850W or less
Amperage	120V: 7.2A or less 220-240V: 3.8A or less
External dimensions (with the face-down tray closed)	Height: 10.2" (259 mm) Width: 15.3" (389 mm) Depth: 17.4" (441 mm)
Weight	Printer: approximately 3.2 lbs (7 kg) Drum cartridge: approximately 0.1 lbs (0.3 kg) Toner cartridge: approximately 0.2 lbs (0.5 kg)
Interface	IEEE 1284 Parallel (Compatible/Nibble/ECP) USB (Revision 1.1 compliant)
CPU	Destiny ASIC D8401 75MHz
Standard memory	16 MB (expandable up to 144 MB)
Options	• Lower feeder unit (Tray 2) • Legal and executive/B5 JIS trays for the lower feeder unit • Face-up tray • Expansion memory (SDRAM-DIMM)

Lower feeder unit (option)

Paper tray	Standard tray: Letter or A4 Optional trays: Legal and executive/B5 JIS
Paper/Media	Plain paper (16–24 lbs; 60–90 g/m^2)
Capacity	Up to 500 sheets

External dimensions (without paper cassette)	Height: 5.2" (132 mm) Width: 15.0" (382 mm) Depth: 12.0" (305 mm)
Weight	Approximately 1.8 lbs (4 kg)

SDRAM-DIMM expansion memory (option)

Capacity	64, 128 MB
Function type	Burst mode
CAS Latency	2 or 3
ECC	None (Usable even with ECC)
Access speed	10 ns
Number of pins	168
Module type	SDRAM-DIMM (Double In-line Memory Module)
Operating voltage	3.3 V

Parallel interface connectors and cables

Connectors	Printer: Parallel 36-pin connector Computer: EIA 25-pin connector
Cable type	Shielded Each signal and earth pair should be twisted
Pin assignments	IEEE 1284, type-B connector

USB interface connectors and cables

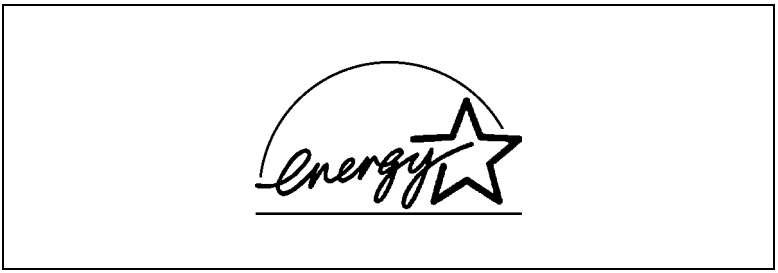
Connectors	Printer: Series B plug Computer: Series A plug
Cable type	Require twisted data conductors or a shielded
Pin assignments	1: V_{BUS} 2: D+ 3: D- 4: GND Shell: Shield

CAUTION

Danger of fire from cable!

➜ MINOLTA-QMS undertakes no guarantee for any specific cable. The user is responsible for the quality and performance of the cable.

12.3 Our concern for environmental protection



As an ENERGY STAR® Partner, we have determined that this machine meets the ENERGY STAR® Guidelines for energy efficiency.

What is an ENERGY STAR® product?

An ENERGY STAR® product has a special feature that allows it to automatically switch to a “low-power mode” after a period of inactivity. An ENERGY STAR® product uses energy more efficiently, saves you money on utility bills and helps protect the environment.

12.4 FCC Part 15 - Radio Frequency Devices

For US Users

FCC: Declaration of Conformity	
Product Type	Laser Beam Printer
Product Name	PagePro 1250E
Options	• Lower feeder unit (4198) • Face-up Tray • Expansion Memory

This device complies with Part 15 of the FCC Rules
Operation is subject to the following two conditions:
- This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interface by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: The design and production of this unit conform to FCC regulations, and any changes or modifications must be registered with the FCC and are subject to FCC control. Any changes made by the purchaser or user without first contacting the manufacturer will be subject to penalty under FCC regulations.

This device must be used with a shielded parallel interface cable and shielded USB interface cable.

The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under FCC rules.

12.5 Interference-Causing Equipment Standard (ICES-003 ISSUE 3)

For Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

12.6 CE Marking (Declaration of Conformity)

For European users

This product complies with the following EU directives: 89/336/EEC, 73/23/EEC, and 93/68/EEC directives.

This declaration is valid for the area of the European Union (EU) only.

This device must be used with a shielded parallel interface cable and shielded USB interface cable. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under 89/336/EEC rules.

12.7 CISPR 22 and local rules

This device must be used with a shielded parallel interface cable and shielded USB interface cable.
The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under CISPR 22 and local rules.

12.8 Acoustic Noise

Machine Noise Regulation 3 GSGV, 18.01.1991: The sound pressure level at the operator position according to EN27779 is equal to or less than 70dB (A).

12.9 Safety information

This section contains detailed instructions on the operation and maintenance of this machine. To achieve optimum utility of this device, all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

Please read the next section before using this device. It contains important information related to user safety and preventing equipment problems.

Make sure you observe all of the precautions listed in this manual.

* Note that some parts of the contents of this section may not correspond with the purchased product.

Warning and precaution symbols

⚠ **WARNING**	Ignoring this warning could cause serious injury or even death.
⚠ **CAUTION**	Ignoring this caution could cause injury or damage to property.

Meaning of symbols

A triangle indicates a danger against which you should take precaution.

This symbol warns against cause burn.

A diagonal line indicates a prohibited course of action.

This symbol warns against dismantling the device.

A black circle indicates an imperative course of action.

This symbol indicates you must unplug the device.

⚠ WARNING

	• Do not modify this product, as a fire, electrical shock, or breakdown could result. If the product employs a laser, the laser beam source could cause blindness. • Do not attempt to remove the covers and panels which have been fixed to the product. Some products have a high-voltage part or a laser beam source inside that could cause an electrical shock or blindness.
	• Only use the power cord supplied in the package. Failure to use this cord could result in a fire or electrical shock. • Use only the specified power source voltage. Failure to do that could result in a fire or electrical shock. • Do not use a multiple outlet adapter to connect any other appliances or machines. Use of a power outlet for more than the marked current value could result in a fire or electrical shock.
	• Do not unplug and plug in the power cord with a wet hand, as an electrical shock could result.
	• Plug the power cord all the way into the power outlet. Failure to do this could result in a fire or electrical shock.
	• Do not scratch, abrade, place a heavy object on, heat, twist, bend, pull on, or damage the power cord. Use of a damaged power cord (exposed core wire, broken wire, etc.) could result in a fire or breakdown. Should any of these conditions be found, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. • In principle, do not use an extension cord. Use of an extension cord could cause a fire or electrical shock. Contact your authorized service representative if an extension cord is required.
	• Do not place a flower vase or other container that contains water, metal clips or other small metallic objects on this product. Spilled water or metallic objects dropped inside the product could result in a fire, electrical shock, or break-down. • Should a piece of metal, water, or any other similar foreign matter get inside the product, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative.
	• If this product becomes inordinately hot or emits smoke, or unusual odor or noise, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. If you keep on using it as is, a fire or electrical shock could result. • If this product has been dropped or its cover damaged, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. If you keep on using it as is, a fire or electrical shock could result.
	• Do not throw the toner cartridge or toner into an open flame. The hot toner may scatter and cause burns or other damage.
	• Connect the power cord to an electrical outlet that is equipped with a grounding terminal.

⚠ CAUTION

- Do not use flammable sprays, liquids, or gases near this product, as a fire could result.
- Do not leave a toner unit or drum unit in a place within easy reach of children. Licking or ingesting any of these things could injure your health.
- Do not let any object plug the ventilation holes of this product. Heat could accumulate inside the product, resulting in a fire or malfunction.
- Do not install this product at a site that is exposed to direct sunlight, or near an air conditioner or heating apparatus. The resultant temperature changes inside the product could cause a malfunction, fire, or electrical shock.
- Do not place the product in a dusty place, or a site exposed to soot or steam, near a kitchen table, bath, or a humidifier. A fire, electrical shock, or breakdown could result.
- Do not place this product on an unstable or tilted bench, or in a location subject to a lot of vibration and shock. It could drop or fall, causing personal injury or mechanical breakdown.
- After installing this product, mount it on a secure base. If the unit moves or falls, it may cause personal injury.
- Do not store toner units and PC drum units near a floppy disk or watch that are susceptible to magnetism. They could cause these products to malfunction.
- Do not place any objects around the power plug as the power plug may be difficult to pull out when an emergency occurs.
- Do not touch the electrical contacts that are located inside the top cover and underneath the cartridge as an electrostatic discharge may damage the printer.

- The inside of this product has areas subject to high temperature, which may cause burns. When checking the inside of the unit for malfunctions such as a paper misfeed, do not touch the locations (around the fusing unit, etc.) which are indicated by a “Caution! High Temperature!” warning label.

- The socket-outlet shall be installed near the machine and shall be easily accessible as the power plug may be difficult to pull out when an emergency occurs.
- Always use this product in a well ventilated location. Operating the product in a poorly ventilated room for an extended period of time could injure your health. Ventilate the room at regular intervals.
- Whenever moving this product, be sure to disconnect the power cord and other cables. Failure to do this could damage the cord or cable, resulting in a fire, electrical shock, or breakdown.
- When moving this product, always hold it by the locations specified in the user manual or other documents. If the unit falls it may cause severe personal injury. The product may also be damaged or malfunction.
- Remove the power plug from the outlet more than one time a year and clean the area between the plug terminals. Dust that accumulates between the plug terminals may cause a fire.
- When unplugging the power cord, be sure to hold onto the plug. Pulling on the power cord could damage the cord, resulting in a fire or electrical shock.

12.10 Working safely with your laser printer

Notes on your safety and operating safety

Working improperly with the printer can result in health hazards, electric shocks and even fires. Before you unpack the laser printer, you should make yourself familiar with this information on your safety and operating safety.

CAUTION

Observe the following information:

- ➜ Make sure that the power cord is correctly plugged into the socket and that the socket is at all times visible and readily accessible.
- ➜ Do not pull on the cord to pull the power plug out of the socket as this may damage the cord. The result could be an electric shock or a fire.
- ➜ Remove the power plug from the socket if the machine will not be in use for an extended period of time.
- ➜ Do not remove the power cord from the socket with wet hands as this may result in an electric shock.
- ➜ Do not move the unit unless the power cord has been removed from the socket. Otherwise you may damage the cord. The result could be a short-circuit or a fire.
- ➜ Do not place any heavy objects on the power cord. Do not pull or kink the cord as this can result in damage to the cord. The result could be an electric shock or a fire.
- ➜ Make sure that the machine is not standing on a cord to another machine as this can result in damage to that cord. The result could be a fire or improper functioning of the unit in question.
- ➜ Make sure that the power supply to the unit has the correct voltage. Otherwise the result could be a fire or an electric shock.
- ➜ Switch off the unit immediately and unplug the power cord if the power supply cord is damaged. Failure to do so could result in a fire or an electric shock. Inform your customer support technical specialist.
- ➜ Use only extension cords that are designed for at least the maximum power rating of the machine. Extension cords with lower ratings can result in the unit overheating and can even lead to a fire.
- ➜ Perform only the procedures that are described in this manual. Using the machine improperly can result in a fire or an electric shock.

- ➜ Do not place any heavy objects on the machine.
- ➜ Do not open any covers on the machine while printing is in progress.
- ➜ Do not switch off the unit while printing is in progress.
- ➜ Do not place any magnetic objects near the machine.
- ➜ Do not use any flammable sprays, liquids or gases in the vicinity of the machine.
- ➜ Do not remove any safety devices and do not alter the construction of the machine. The unit is equipped with high-voltage components. Using the machine improperly can result in a fire or an electric shock.
- ➜ Do not insert any paper clips, staples or other small metal objects into openings on the machine. The result could be an electric shock or a fire. If metal pieces are fed into the machine, switch it off immediately, disconnect the power cord and inform your customer support technical specialist.
- ➜ Do not place coffee cups, drink bottles, or other containers with liquids in them on the machine. If liquid enters the machine, the result could be an electric shock or a fire. If liquid does get into the machine, switch it off immediately, disconnect the power cord and inform your customer support technical specialist.
- ➜ If the machine becomes unusually hot, or if you notice smoke or an unusual odor coming from the machine, switch it off immediately and remove the power cord from the socket. Inform your customer support technical specialist.

Laser safety

This is a page printer which operates by means of a laser. There is no possibility of danger from the laser, provided the printer is operated according to the instructions in this manual.

Since radiation emitted by the laser is completely confined within protective housing, the laser beam cannot escape from the machine during any phase of user operation.

Internal laser radiation

Maximum average radiation power: 35 µW at the laser aperture of the print head unit.

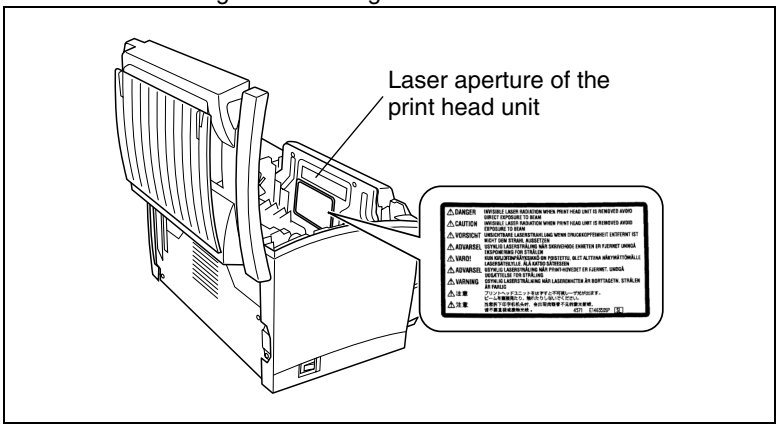
Wavelength: 770-795 nm

This product employs a Class 3b laser diode that emits an invisible laser beam. The laser diode and the scanning polygon mirror are incorporated in the print head unit.

The print head unit is NOT A FIELD SERVICEABLE ITEM. Therefore, the print head unit should not be opened under any circumstances.

Laser caution label

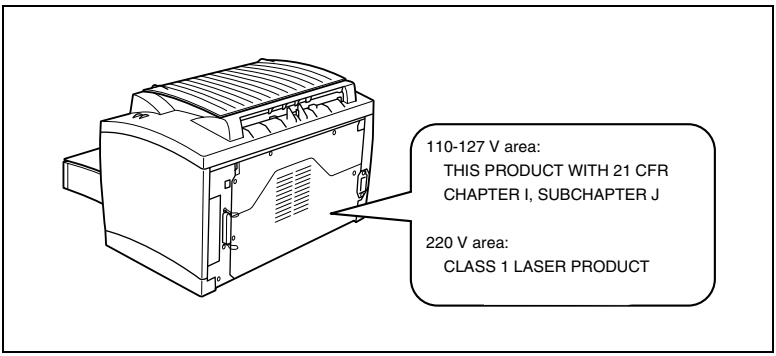
A laser caution label is attached inside the machine as shown below. Do not dispose of the printer or consumables other than directed in the manual. This product has a laser beam source inside that could cause blindness if the safeguard is damaged.



The above figure shows the internal view of the printer when the top cover is open.

Laser safety label

A laser safety label is attached to the outside of the machine as shown below.



For United States users

CDRH Regulations

This machine is certified as a Class 1 Laser product under the Radiation Performance Standard according to the Food, Drug and Cosmetic Act of 1990. Compliance is mandatory for Laser products marketed in the United States and is reported to the Center for Devices and Radiological Health (CDRH) of the US Food and Drug Administration of the US Department of Health and Human Services (DHHS). This means that this device does not produce hazardous laser radiation. The label shown above indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

CAUTION

Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

This is a semiconductor laser. The maximum power of the laser diode is 5 mW and the wavelength is 770-795 nm.

For users in all countries

CAUTION

Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

This machine is certified as a Class 1 laser product. This means that the machine does not produce hazardous laser radiation.

This is a semiconductor laser. The maximum power of the laser diode is 5 mW and the wavelength is 770-795 nm.

For Denmark users

ADVARSEL
Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

Klasse 1 laser produkt der opfylder IEC60825 sikkerheds kravene.

Dansk: Dette er en halvlederlaser. Laserdiodens højeste styrke er 5 mW og bølgelængden er 770-795 nm.

For Norway users

ADVERSEL
Dersom apparatet brukes på annen måte enn spesifisert i denne bruksanvisning, kan brukeren utsettes for unsynlig laserstråling som overskrider grensen for laser klass 1.

Dette en halvleder laser. Maksimal effekt till laserdiode er 5 mW og bølgelengde er 770-795 nm.

For Finland, Sweden users

LOUKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

VAROITUS!
Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Tämä on puolijohdelaser. Laserdiodin suurin teho on 5 mW ja aallonpituus on 770 – 795 nm.

VARNING!
Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Det här är en halvledarlaser. Den maximala effekten för laserdioden är 5 mW och våglängden är 770 – 795 nm.

VARO!
Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

VARNING!
Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

Ozone release

During printer operation, a small quantity of ozone is released. This amount is not large enough to harm anyone adversely. However, be sure the room where the machine is being used has adequate ventilation, especially if you are printing a high volume of materials, or if the machine is being used continuously over a long period.

Dégagement d'ozone

L'imprimante dégage une faible quantité d'ozone durant son utilisation. Cette quantité n'est pas suffisamment importante pour être dangereuse. Cependant, veillez à ce que la pièce dans laquelle la machine soit adéquatement ventilée, surtout en cas d'impression de gros volumes ou en cas d'utilisation continue pendant un laps de temps très long.

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